SERVICE MANUAL

RA - 1 CHASSIS

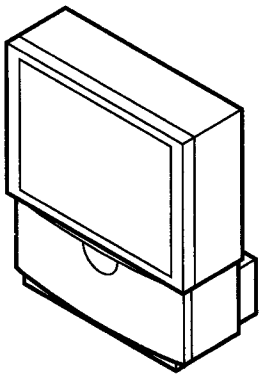
MODEL	COMMANDER	DEST.	CHASSIS NO.
KP-53XBR45	RM-Y128	US	SCC-H53G-A
KP-53XBR45	RM-Y128	Canadian	SCC-H58F-A
KP-61XBR48	RM-Y128	US	SCC-H53H-A
KP-61XBR48	RM-Y128	Canadian	SCC-H58G-A

Note :

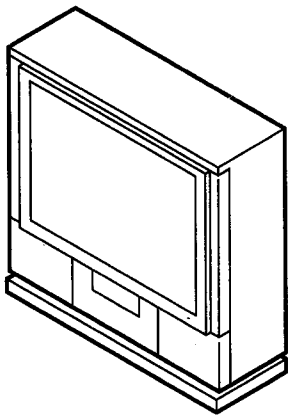
1. Adjustment Manual for this model is separately published.

	Adjustment Manual
Part No.	9-965-074-01





KP-53XBR45



KP-61XBR48

MICROFILM

COLOR REAR VIDEO PROJECTOR

SONY®

※ **Please file according to model size...** ■

53 61

SPECIFICATIONS

Projection system	3 picture tubes, 3 lenses, horizontal in-line system
Picture tube	7 inch high-brightness monochrome tubes (6.3 rester size), with optical coupling and liquidcooling system
Projection lenses	High performance, large-diameter hybrid lens F1.0

Screen size (measured diagonally)

KP-53XBR45 53 inches
KP-61XBR48 61 inches

Screen brightness

KP-53XBR45 900 cd/m^2
KP-61XBR48 700 cd/m^2

Television system	American TV standards
Channel coverage	VHF : 2-13 / UHF : 14-69 / CATV : 1-125
Antenna	75 ohm external antenna terminal for VHF / UHF
Inputs/output	VIDEO IN1/3/4/5 INand VIDEO2 INPUT S VIDEO IN (4-pin mini DIN) : Y : 1 Vp-p, 75-ohms unbalanced, sync negative C : 0.286 Vp-p (Burst signal), 75 ohms VIDEO (phone jack) :1 Vp-p, 75-ohms unbalanced, sync negative AUDIO (phono jacks) : 500 mVrms (100% modulation) Impedance : 47 kilohms SELECT OUT VIDEO (phono jacks) :1 Vp-p, 75-ohms unbalanced, sync negative AUDIO (phono jacks) : 470 mVrms (100% modulation) Impedance : 47 kilohms AUDIO (VAR) OUT (phono jacks) : 950mVrms (100% modulation) AUDIO (FIX) OUT(phono jacks) : 500 mVrms (100% modulation) CONTROLS IN/OUT : mini jacks

Speaker

	Front (Tweeter)	(Woofer)	Center	Rear
KP-53XBR45	25mm (1") x2	130mm (5") x2	100mm (4") x2	75mm (3") x2
KP-61XBR48	50mm (2") x4	160mm (6 3/8") x2	100mm (4") x2	75mm (3") x2

Speaker output	Front: 20 W x 2 Center: 20W x 1 Rear: 10W x 2
Power requirement	120 V, 60 Hz
Power consumption	300 W Standby mode : 4W

	Dimensions (W/H/D)	Mass
KP-53XBR45	1,238 x 1,442 x 647 mm (48 3/4 x 56 7/8 x 25 1/2 inches)	115 kg (252 lbs 6 oz)
KP-61XBR48	1,520 x 1,550 x 778 mm (59 7/8 x 61 1/8 x 30 3/4 inches)	174 kg (383 lbs 5 oz)

Supplied accessories	Remote commander RM-Y128 (1) Size AA (R6) battery (2) Rear speakers (2) Speaker cord (2)
Optional accessories	AV rack SU-XBR1 Bottom base for AV rack SU-61BASE (for KP-61XBR48 only) U/V mixer EAC-66 Connecting cables RK-74A, VMC-810S / 820S, YC-15V / 30V

Design and specifications are subject to change without notice.

SAFETY CHECK-OUT

(US model only)

After correcting the original service problem, perfom the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, through functioning, show obvious signs of deterioration. Point them out to the customer and recom mend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any). Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate;be suspicious of your HV meter if sets always have low HV.
9. Check the antenna temminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (500 microampers) . Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to usc these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground;the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

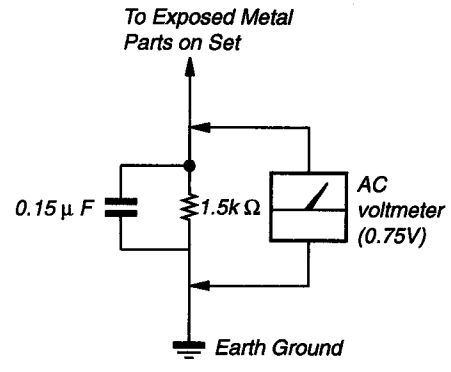


Fig. A. Using an AC voltmeter to check AC leakage.

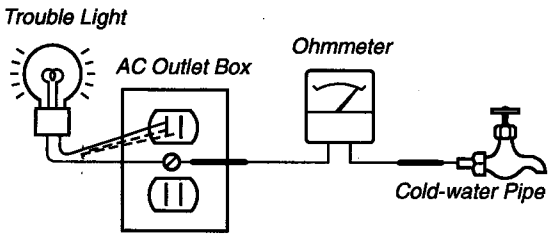


Fig. B. Checking for earth ground.

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(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESECOMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFEOPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

(ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURTCIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE DELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DEPANNAGE. LE CHÁSSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDÉ Á L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS ÁLA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MAPQUE ⚠ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES CONT D'UNEIMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SECTION1
GENERAL

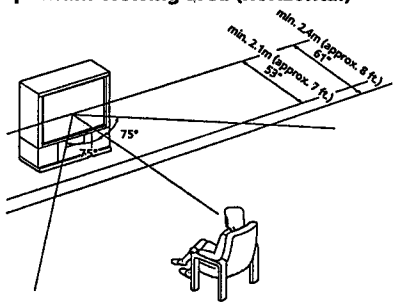
The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remein as in the manual.

Getting Started

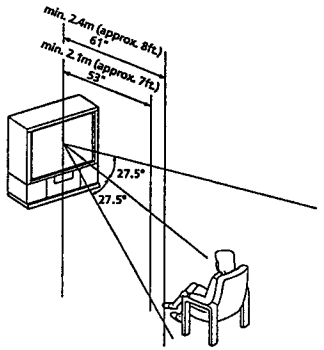
Step 1: Installing the projection TV

For the best picture quality, install the projection TV within the areas shown below.

Optimum viewing area (Horizontal)



Optimum viewing area (Vertical)



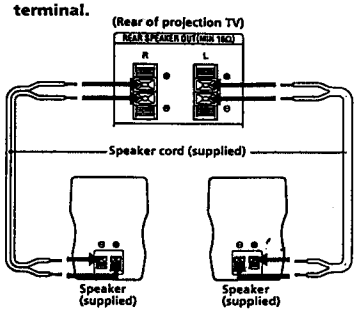
Preparing for your projection TV

Before you use your projection TV, adjust convergence. For the procedure, see "Adjusting convergence (CONVERGENCE)" on page 16.

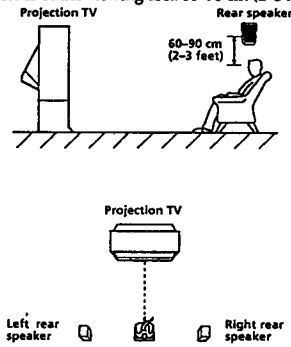
Connecting the supplied rear speakers

To enhance the surround effect, connect the supplied rear speakers to the REAR SPEAKER OUT terminals on the projection TV. Use the supplied speaker cords.

1 Connect one rear speaker to the REAR SPEAKER OUT R terminal and the other speaker to the REAR SPEAKER OUT L terminal.



2 Place the rear speakers as shown below to obtain optimum surround effect.
If possible, mount the speakers on the wall to the sides of the viewing area 60–90 cm (2–3 feet) above.



Note
- Be sure to match the speaker cord to the terminal colors. If the cords are reversed, the sound will be distorted.

Step 2: Connections

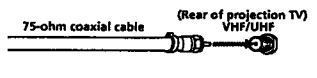
Although you can use either an indoor antenna or outdoor antenna with your projection TV, we recommend connecting to an outdoor antenna or a cable TV system for improved picture quality.

For the customers who connect a cable box, skip "Step 4: Setting up the projection TV automatically (AUTO SET UP)" (page 14) and proceed to "Selecting the cable box output channel (TV INPUT)" (page 18).

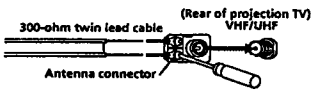
Connecting an antenna

Connect your antenna cable to the VHF/UHF antenna terminal. If you cannot connect your antenna cable directly to the terminal, follow one of the instructions below depending on your cable type.

A
- VHF only
or
- VHF/UHF
or
- Cable



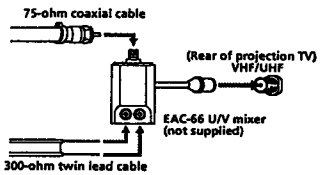
B
- VHF only
or
- UHF only
or
- VHF/UHF



C
- VHF

and

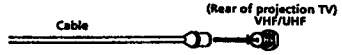
- UHF



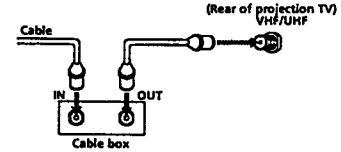
Notes
- Most VHF/UHF combination antennas have a signal splitter. Remove the splitter before attaching the appropriate connector.
- For better picture quality, connect an antenna by using a 75-ohm coaxial cable.

Connecting an antenna/cable TV system without a VCR

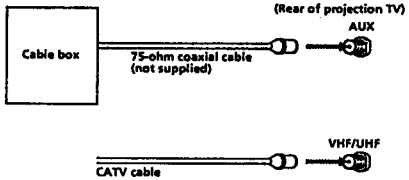
To cable or antenna



To cable box
If your cable company requires you to connect a cable box, make the connection as follows:

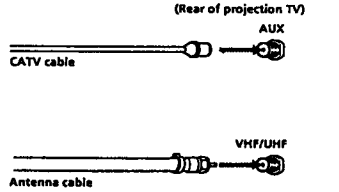


To cable box and cable



Some cable TV systems use scrambled or encoded signals requiring a cable box* in addition to the normal cable connection.
* The cable box will be supplied by the cable company.

To cable and antenna



Connecting an antenna/cable TV system with a VCR

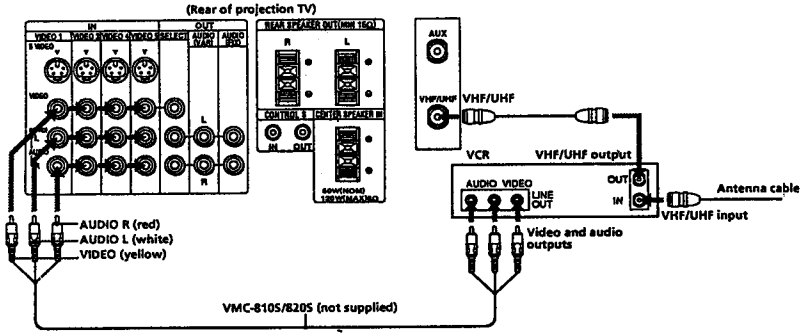
For connection details, see the instruction manual of your VCR. Before connecting, disconnect the AC power cords of the equipment to be connected.

After making these connections, you will be able to do the following:

- View the playback of video tapes
- Record one TV program while viewing another program

To a conventional VCR

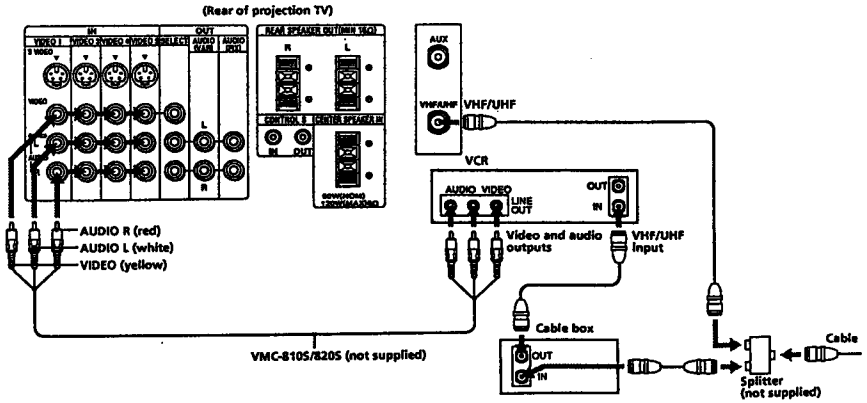
Without a cable box



Notes

- To connect a monaural VCR, connect the audio output of the VCR to AUDIO L (MONO) of VIDEO 1/3/4/5 IN on the projection TV.
- Do not connect a cable to the S VIDEO connector on the projection TV.

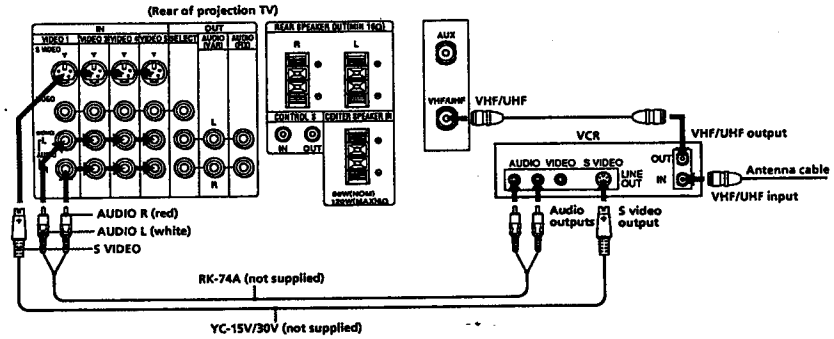
With a cable box



To an S video equipped VCR

If your VCR has an S video output jack, make the connection as follows. Whenever you connect a cable to the S VIDEO connector, the projection TV automatically receives S video signals.

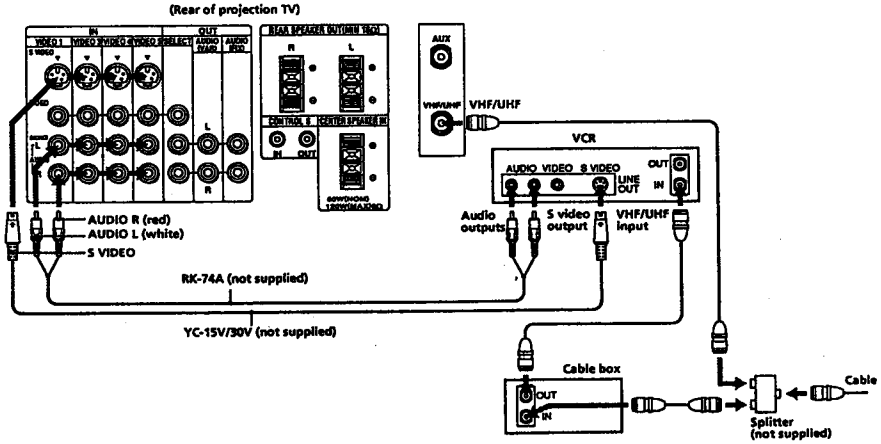
Without a cable box



Note

- Video signals are composed of Y (luminance) and C (chroma) signals. The S connection sends the two signals separately preventing degradation, and gives better picture quality compared to conventional connection.

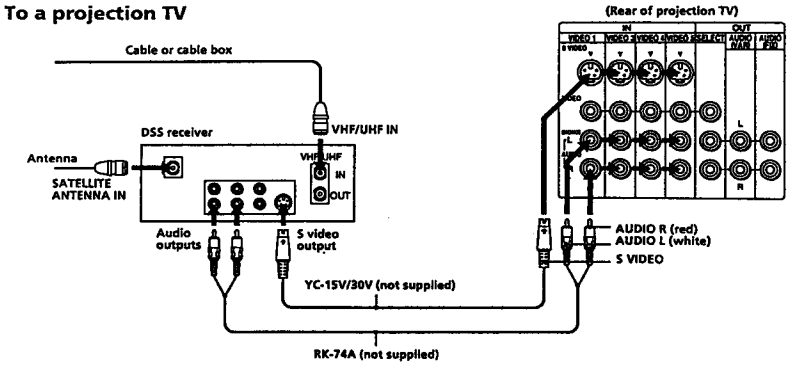
With a cable box



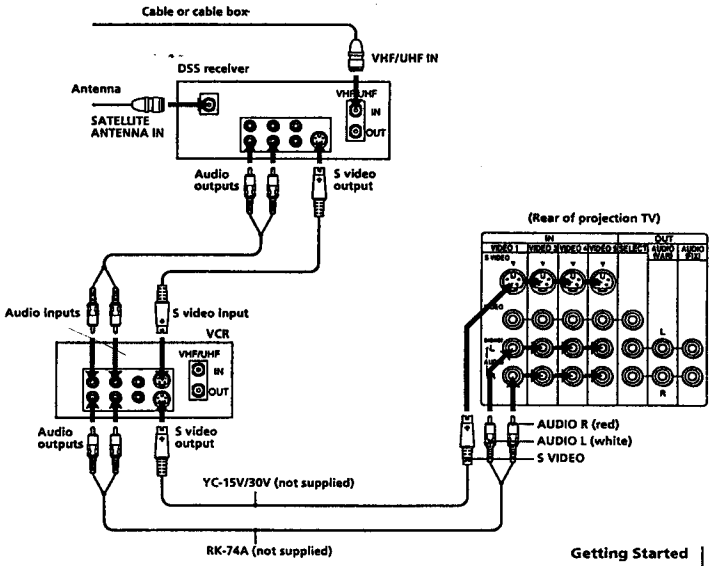
Connecting a DSS® receiver

For connection details, see the instruction manual of the DSS receiver.

To a projection TV

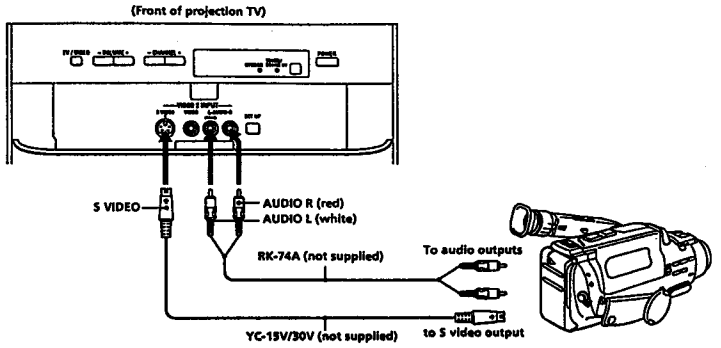


To a projection TV and VCR



Connecting a camcorder

This connection is convenient for watching a picture from a camcorder.

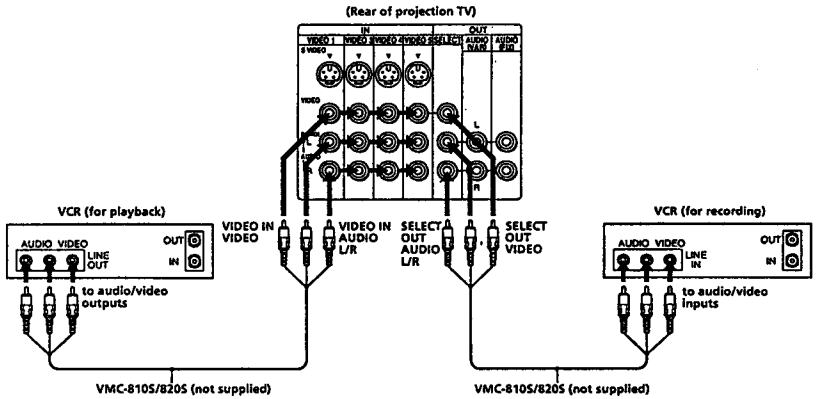


Notes

- To connect a monaural camcorder, connect the audio output of the camcorder to AUDIO L (MONO) of VIDEO 2 INPUT of the projection TV.
- To connect a camcorder not equipped with the S video output, connect the video output of the camcorder to VIDEO INPUT of the projection TV.

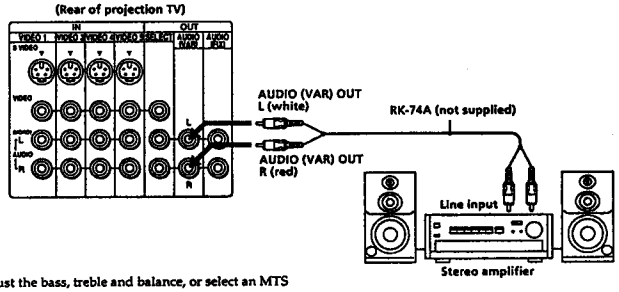
Connecting two VCRs for tape editing

You can select the output signal from the SELECT OUT jacks. For detailed information, see page 30.



Connecting an audio system

If you want to use the left and right speakers of a stereo amplifier, use AUDIO (VAR) OUT as shown below and switch off the projection TV speakers. (See "Setting the speaker switch (SPEAKER)" on page 27.)
See page 27 and 28 for more information.



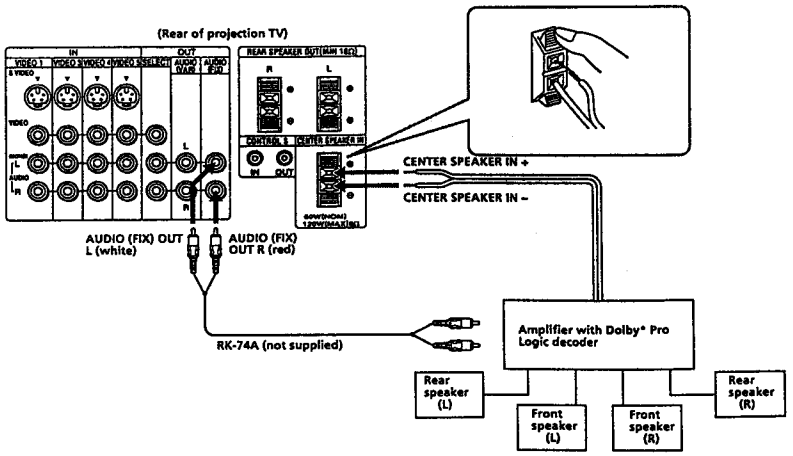
Note

- You can adjust the bass, treble and balance, or select an MTS (Multichannel TV Sound) mode with the supplied remote commander.

Connecting an amplifier with Dolby Pro Logic decoder

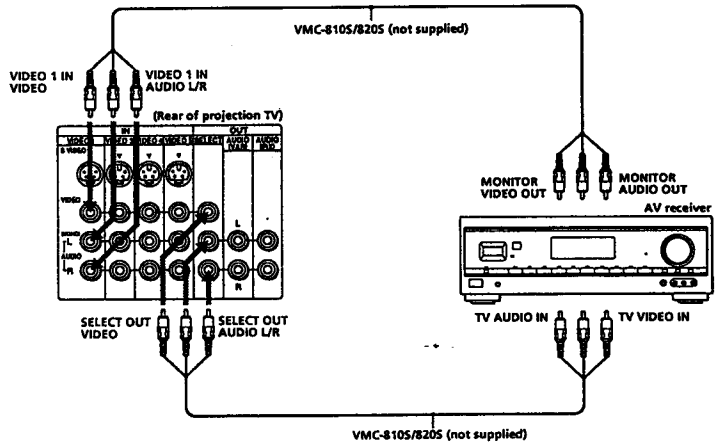
If you use an amplifier with Dolby Pro Logic decoder instead of the projection TV's audio system, you can still use the projection TV's center speaker. See "Setting the speaker switch (SPEAKER)" on page 27.

- Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under Canadian patent number 1,037,877. "Dolby," the double-D symbol ⧈ and "Pro Logic" are trademarks of Dolby Laboratories Licensing Corporation.



Connecting an AV receiver

Connect an optional AV receiver to the VIDEO 1 IN jacks. For detailed information, see "Using the INPUT/OUTPUT menu" on page 30.

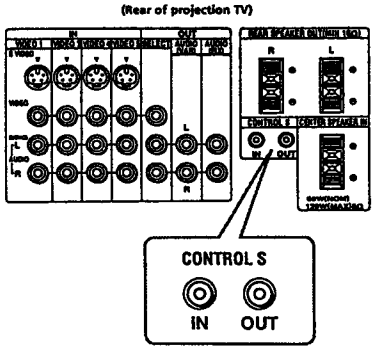


Connecting other Sony equipment with the CONTROL S jacks

This feature allows you to control your projection TV and other Sony equipment with one remote commander.

Notes

- To control other Sony equipment with the projection TV's remote commander, connect the CONTROL S input of the equipment to the CONTROL S OUT jack on the projection TV.
- To control the projection TV with the remote commander of other Sony equipment, connect the CONTROL S output of the equipment to the CONTROL S IN jack on the projection TV.



Step 3: Setting up the remote commander

Inserting batteries

Insert two size AA (R6) batteries (supplied) by matching the + and – on the batteries to the diagram inside the battery compartment.

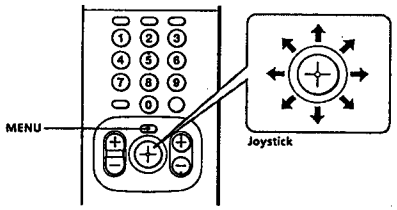


Notes

- With normal use, the batteries should last for approximately six months.
- If you do not use the remote commander for an extended period of time, remove the batteries to avoid possible damage from battery leakage.
- Do not handle the remote commander roughly. Do not drop it, step on it or let it get wet.
- Do not place the remote commander in direct sunlight, near a heater, or where the humidity is high.

Using the joystick remote commander for menu operation

The supplied remote commander has a joystick with motion in eight directions, as illustrated, to easily select the items in the menu.

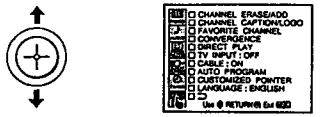


How to use the menus

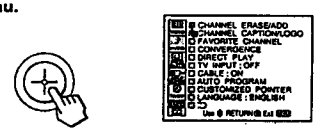
1 Press the MENU button to display the main menu.



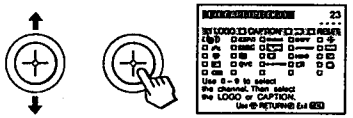
2 Press the joystick up or down to move the cursor ( ) to the desired item.



3 Click the joystick to display the selected menu.



4 Press the joystick up or down to select the item, then click the joystick to go to the next menu.



For further operations, you can select the item by pressing the joystick in some of eight directions that vary according to the selected menu. Then click the joystick to store the setting.

To erase the main menu
Press MENU. The original screen is displayed.

To return to the previous menu
Press the joystick up, down, right or left to move the cursor ( ) to ⊃ of each menu, and click the joystick.

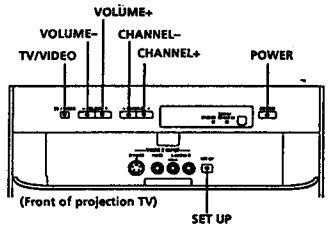
Note

- You can select one of various kinds of cursors (page 38).

Step 4: Setting up the projection TV automatically (AUTO SET UP)

For customers who connect a cable box, skip this step and proceed to "Selecting the cable box output channel (TV INPUT)" (page 18).

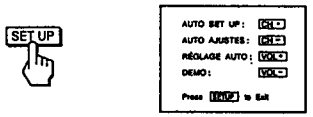
You can set up your projection TV easily by using AUTO SET UP feature. It changes the on-screen menu language and presets all the receivable channels automatically. To set up the projection TV manually, see "Changing the menu language" (page 17) "Setting cable TV on or off" (page 16) and "Presetting channels" (page 17).
If the projection TV is set to a video input, you cannot execute AUTO SET UP. Press TV/VIDEO so that a channel number appears.



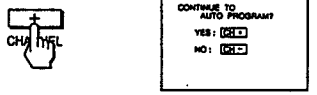
1 Press POWER to turn the projection TV on.



2 Press SET UP on the front of the projection TV.

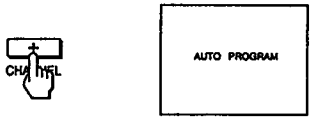


3 Press CHANNEL+.
If you prefer Spanish or French to English, you can change the on-screen menu language. Press CHANNEL– for Spanish or VOLUME+ for French.



All of the menus will be set to the factory preset condition in the selected language.

4 Press CHANNEL+.



"AUTO PROGRAM" appears on the screen and the projection TV starts scanning and presetting channels automatically. When all the receivable channels are stored, "AUTO PROGRAM" disappears and the lowest numbered channel is displayed. If the projection TV receives cable TV channels, CABLE is set to ON automatically.

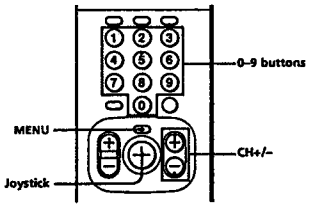
Notes

- If more than 90 seconds elapse after you press a button, the menu disappears automatically.
- In case of using the AUX connector, press the ANT/AUX button on the remote commander first so that "AUX" is displayed beside the channel number on the screen. Then follow steps 2 to 4 above to perform AUTO SET UP.

To preview the main functions (DEMO)
Press VOLUME– in step 2. The functions and menus are displayed one by one. To cancel the DEMO function, press VOLUME – again.

Erasing or adding channels

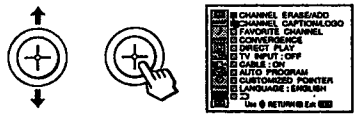
After AUTO SET UP you can erase unnecessary channels or add the channels you want. Preset channels during the day rather than late at night, when some channels may not be broadcasting.



1 Press MENU.
The main menu appears.



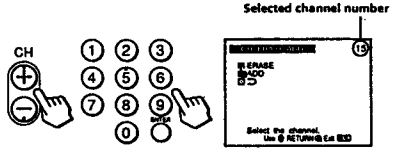
2 Press the joystick up or down to move the cursor (☛) to SET UP and click the joystick.
The SET UP menu appears.



3 Make sure the cursor (☛) is beside CHANNEL ERASE/ADD and click the joystick.
If the cursor is not beside CHANNEL ERASE/ADD, press the joystick up or down to move the cursor and click the joystick.
The CH ERASE/ADD menu appears.



4 Erase or add the channel you want:
(1) Press the joystick up or down to select ERASE or ADD.
(2) Press CH +/– or 0–9 buttons to select the channel you want to erase or add.



(3) Click the joystick.
- If you select ERASE in step (1), "–" appears beside the channel number, showing that the channel is erased from the preset memory.
- If you select ADD in step (1), "+" appears beside the channel number, showing that the channel is added to the preset memory.

5 To erase and/or add other channels, repeat step 4.

6 When you finish, press MENU.



Notes
- If you erase or add a VHF or UHF channel, the cable TV channel with the same number is also erased or added.
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.
- Erasing and adding channels is also available for the AUX input.

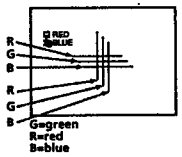
Adjusting convergence (CONVERGENCE)

The projection tube image appears on the screen in three layers (red, green and blue). If they do not converge, the color is poor and the picture blurs. To correct this, adjust convergence.

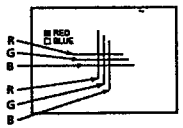
1 Press MENU.

2 Press the joystick up or down to move the cursor (☛) to SET UP and click the joystick.

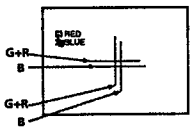
3 Press the joystick up or down to move the cursor (☛) to CONVERGENCE and click the joystick.
The CONVERGENCE adjustment screen appears.



4 Press the joystick up or down to move the cursor (☛) to RED or BLUE, and click the joystick.



5 Press the joystick up, down, left or right to move the line until it converges with the center green line, and click the joystick.



6 Repeat steps 4 and 5 to adjust the other lines until all three lines converge and are seen as a white cross.

7 Press MENU to return to the original screen.

Note
- Convergence can be adjusted only left, right, up and down.

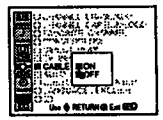
Setting cable TV on or off

If you have connected the projection TV to a cable TV system, set CABLE to ON, the factory setting. If not, set CABLE to OFF. You do not have to do this procedure if you execute AUTO SET UP (page 14). Do this procedure only when you want to set it manually.

1 Press MENU.

2 Press the joystick up or down to move the cursor (☛) to SET UP and click the joystick.

3 Press the joystick up or down to move the cursor (☛) to CABLE and click the joystick.



4 Press the joystick up or down to select ON or OFF and click the joystick.



5 Press MENU to return to the original screen.

Note
- If CABLE appears in grey, the projection TV is set to a video input and you cannot select CABLE. Press TV/VIDEO on the remote commander so that a channel number appears.

Presetting channels

You can preset TV channels easily by AUTO PROGRAM feature. You do not have to do this procedure if you execute AUTO SET UP (page 14). Do this procedure only when you want to set it manually.

1 Press MENU.

2 Press the joystick up or down to move the cursor (☝) to SET UP and click the joystick.



3 Press the joystick up or down to move the cursor (☝) to AUTO PROGRAM and click the joystick.



"AUTO PROGRAM" appears on the screen and the projection TV starts scanning and presetting channels automatically. When all the receivable channels are stored, "AUTO PROGRAM" disappears and the lowest numbered channel is displayed.

4 Press MENU to return to the original screen.

Notes

- If AUTO PROGRAM appears in grey in the SET UP menu, the projection TV is set to a video input and you cannot select AUTO PROGRAM. Press TV/VIDEO on the remote commander so that a channel number appears.
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.
- Presetting channels is also available for the AUX input.

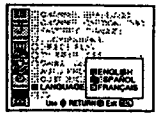
Changing the menu language

If you prefer Spanish or French to English, you can change the menu language. You do not have to do this procedure if you execute AUTO SET UP (page 14). Do this procedure only when you want to set it manually.

1 Press MENU.

2 Press the joystick up or down to move the cursor (☝) to SET UP and click the joystick.

3 Press the joystick up or down to move the cursor (☝) to LANGUAGE and click the joystick.



4 Press the joystick up or down to select the language and click the joystick.
The menu in the selected language appears.



5 Press MENU to return to the original screen.

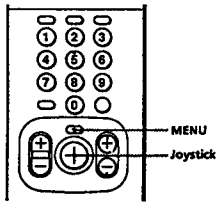
Note

- Even when you select Spanish or French language, certain parts of the menus remain in English.

Selecting the cable box output channel

(TV INPUT)

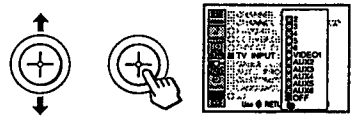
If you use a cable box , you can select the cable box output channel on your projection TV. It is recommended that you set up your projection TV as follows when you use a cable box.



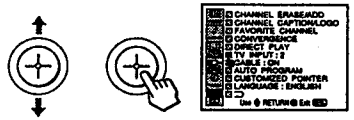
1 Press MENU.

2 Press the joystick up or down to select SET UP and click the joystick.

3 Press the joystick up or down to select TV INPUT and click the joystick.
The cable box output channel options are displayed.



4 Press the joystick up or down to select the cable box output channel and click the joystick.

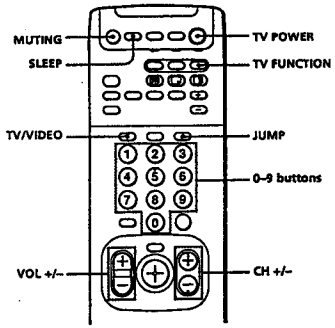


You can select the cable output channel among 2–6 channels, VIDEO 1 and AUX 2–6 channels.

Notes

- If you set TV INPUT to any option other than OFF, you cannot use the favorite channel and CH INDEX features.
- If you set TV INPUT to VIDEO 1 INPUT mode, you cannot select TV INPUT again. Press the TV/VIDEO button to select and return to TV INPUT mode. If you are unable to return to the TV INPUT mode by using the TV/VIDEO button, select TV OUT in "Using the INPUT/OUTPUT menu" on page 30, and enter NO.

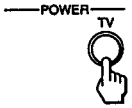
Watching the TV



1 Press TV FUNCTION on the remote commander.
The red indicator flashes once on the remote commander, indicating that the buttons function for the projection TV.

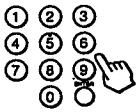


2 Press TV POWER to turn on the projection TV.
The POWER indicator lights on the projection TV.



If any of "VIDEO1 to VIDEO5" appears on the screen, press the TV/VIDEO button until a channel number appears.

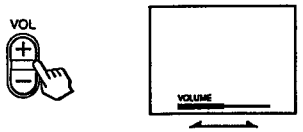
3 Select the channel you want to watch:
To select a channel directly
Press the 0 – 9 buttons.
For example, to select channel 10, press 1 and 0.
You may press ENTER to immediately change the channel.



To scan through channels
Press CH +/– until the channel you want to watch appears.



4 Press VOL +/– to adjust the volume.



Switching quickly between two channels

You can use the JUMP button to switch or "jump" back and forth between two channels.

Press JUMP.



Pressing JUMP again switches back to the original channel.

Note
- You cannot jump to channels you scanned through using the CH +/– buttons.

Muting the sound

Press MUTING.
"MUTING" appears on the screen.



To restore the sound, press MUTING again, or press VOL +.

Displaying on-screen information

1 Press DISPLAY.
Channel number, the current time (if set), channel caption or logo (if set), and MTS mode (if SAP is selected) are displayed. SAP indication disappears after 4 seconds.



2 Press DISPLAY again.
XDS (Extended Data Service) is turned on. If the station provides this service, program information, program type and program length are displayed.



3 Press DISPLAY again.
Caption Vision (if set) is displayed. (See page 39.)



To cancel the display, press DISPLAY again.

Setting the Sleep Timer

The projection TV stays on for the length of time you specify and then shuts off automatically.

Press SLEEP repeatedly until the time (in minutes) you want appears.
Each time you press SLEEP, the time changes as follows: 30 → 60 → 90 → OFF.



"SLEEP" appears about one minute before the projection TV shuts off.

To cancel the Sleep Timer, press SLEEP repeatedly until "SLEEP OFF" appears, or turn off the projection TV.
The sleep timer is also canceled when you select AUTO PROGRAM under the SET UP menu.

Watching a video input picture

Press TV/VIDEO repeatedly until the desired video input appears.
Each time you press TV/VIDEO, the display changes as follows: TV → VIDEO 1 → VIDEO 2 → VIDEO 3 → VIDEO 4 → VIDEO 5.



To return to TV picture, press TV/VIDEO until a channel number appears.

Changing the VHF/UHF input to the AUX input

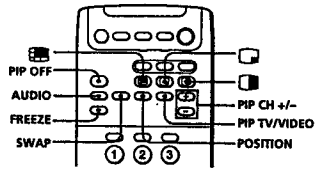
Press ANT/AUX.
"AUX" appears beside the channel number.



Pressing ANT/AUX again switches back to VHF/UHF input.

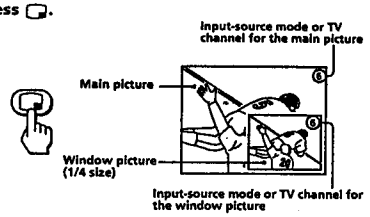
Watching two programs at one time — PIP/P&P (Twin View™)

You can watch two programs simultaneously using the Picture-in-Picture (PIP) or the Picture-and-Picture (Twin View™) feature.



Displaying a window picture (PIP)

Press ▢.

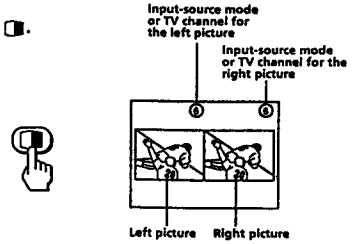


Press ▢ repeatedly to display a smaller window picture.
Each time you press ▢, the size of the window picture changes as follows: 1/4 size → 1/9 size → 1/16 size.

To remove the window picture, press PIP OFF.

Displaying a left picture (P&P)

Press ◨.

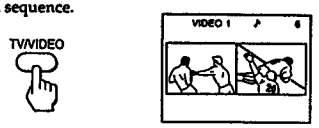


The main picture is on the right and the window picture is on the left.
To restore the normal picture, press PIP OFF.

Notes
- If the main/right picture is not receiving an image, the window/left picture may become a noisy picture.
- The window/left picture sound is also output from the AUDIO (VAR) OUT jacks when you listen to it.

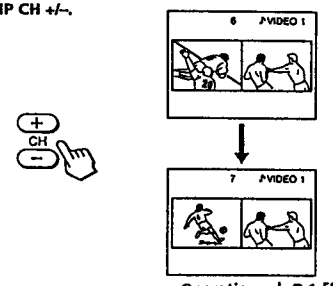
Changing the window/left picture input mode

Press PIP TV/VIDEO to select the input mode.
Each time you press PIP TV/VIDEO, "TV," "VIDEO 1," "VIDEO 2," "VIDEO 3," "VIDEO 4" and "VIDEO 5" appear in sequence.



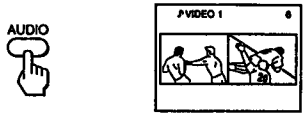
Changing TV channels in the window/left picture

Press PIP CH +/–.



Listening to the sound of the window/left picture

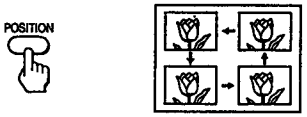
Press AUDIO.
"♪" appears for a few seconds on the window/left picture, indicating that the window/left picture sound is being received.



To restore the main/right picture sound, press AUDIO again.

Changing the position of the window picture

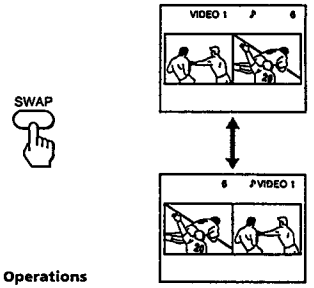
Press POSITION.
Each time you press POSITION, the window picture will move as illustrated.



Note
- POSITION is not a P&P feature.

Swapping the main/right and window/left pictures

Press SWAP.
Each time you press SWAP, the images and sound from the main/right and window/left pictures switch places.

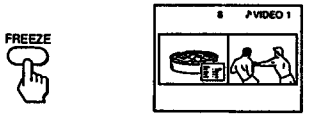


Freezing the pictures

You can freeze both the right and left pictures.

This feature is useful when you want to write down a recipe from a cooking program, a displayed address, a phone number, etc.

Press FREEZE.



To restore the normal screen, press PIP OFF.

Watching eight TV channels at one time (CH INDEX)

You can display all the preset channels in sequence.

Press ▦.
A main picture and seven window pictures are displayed.
Each time you press ▦ or PIP CH+/–, the next seven sequential channels appear.



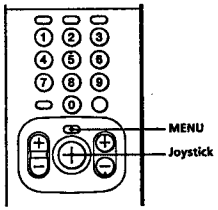
To return to the normal picture, press PIP OFF.

Note
- If you set TV INPUT to any option other than OFF, you cannot use the CH INDEX feature.

Using the VIDEO menu

Adjusting the picture (VIDEO)

When watching TV programs, you can adjust picture, hue, color, brightness and sharpness to suit your taste. The adjusted level is stored in PROGRAM PALETTE.

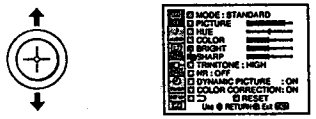


1 **Press MENU.**

2 **Make sure the cursor is beside VIDEO and click the joystick.**
If the cursor is not beside VIDEO, press the joystick up or down to move the cursor.
The VIDEO adjustment menu appears.



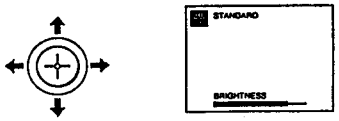
3 **Select the item you want to adjust.**
For example:
(1) To adjust brightness, press the joystick up or down to select BRIGHT.



(2) Click the joystick.



4 **Adjust the selected item:**
(1) Press the joystick up, down, right or left to adjust the item.



(2) Click the joystick.
The new setting appears in the VIDEO menu, and is stored in the displayed PROGRAM PALETTE mode.



For details on each item, see "Description of adjustable items" below.

5 **To adjust other items, repeat steps 3 and 4.**

Description of adjustable items

Item	Press the joystick up or right to	Press the joystick down or left to
PICTURE	Increase picture contrast for vivid color.	Decrease picture contrast for soft color.
HUE	Make overall picture greenish.	Make overall picture purplish.
COLOR	Increase color intensity.	Decrease color intensity.
BRIGHT	Brighten the picture.	Darken the picture.
SHARP	Sharpen the picture.	Soften the picture.

To restore the factory setting

While the VIDEO menu is displayed, press the joystick up, down, right or left to select RESET and click the joystick.
The Trinitone, NR, dynamic picture and color correction are also reset to the factory settings.

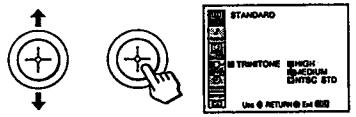
Adjusting the color temperature (TRINITONE)

The TRINITONE feature controls the color temperature, permitting white balance preference adjustment without affecting skin tones.

1 **Press MENU.**

2 **Press the joystick up or down to select VIDEO and click the joystick.**

3 **Press the joystick up or down to select TRINITONE and click the joystick.**



4 **Press the joystick up or down to select HIGH, MEDIUM or NTSC STD and click the joystick.**



Choose	For
HIGH	a cool (bluish) white
MEDIUM	a neutral white
NTSC STD	a warm (reddish) white

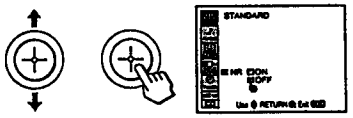
Reducing picture noise (NR)

You can improve a weak or snowy picture when NR is set to ON.

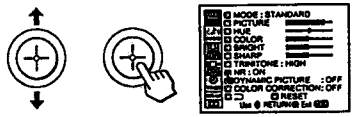
1 **Press MENU.**

2 **Press the joystick up or down to select VIDEO and click the joystick.**

3 **Press the joystick up or down to select NR and click the joystick.**



4 **Press the joystick up or down to select ON and click the joystick.**



Enhancing the picture contrast (DYNAMIC PICTURE)

The DYNAMIC PICTURE feature enhances the contrast of the picture, providing a dynamic image.

1 **Press MENU.**

2 **Press the joystick up or down to select VIDEO and click the joystick.**

3 **Press the joystick up or down to select DYNAMIC PICTURE and click the joystick.**



4 **Press the joystick up or down to select ON and click the joystick.**



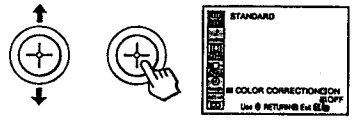
Correcting the color (COLOR CORRECTION)

The COLOR CORRECTION feature emphasizes red and blue to make skin tones vivid.

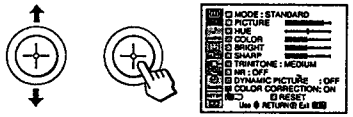
1 Press MENU.

2 Press the joystick up or down to select VIDEO and click the joystick.

3 Press the joystick up or down to select COLOR CORRECTION and click the joystick.



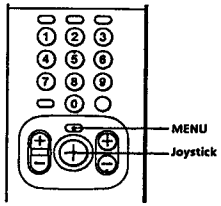
4 Press the joystick up or down to select ON and click the joystick.



Using the AUDIO menu

Adjusting the sound (AUDIO)

You can adjust the treble, bass and balance to suit your taste. You can adjust the sound of video input(s) as well.



1 Press MENU.

2 Press the joystick up or down to select AUDIO and click the joystick.



3 Select the item you want to adjust.
For example:
(1) To adjust bass, press the joystick up or down, to select BASS.

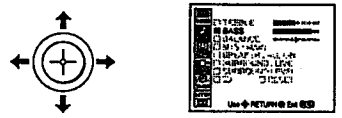


(2) Click the joystick.



(continued)

4 Adjust the selected item:
(1) Press the joystick up, down, right or left to adjust the item.



(2) Click the joystick.
The new setting appears in the AUDIO menu.



For details on each item, see "Description of adjustable items" below.

5 To adjust other items, repeat steps 3 and 4 above.

Description of adjustable items

Item	Press the joystick up or right to	Press the joystick down or left to
TREBLE	Increase the treble response.	Decrease the treble response.
BASS	Increase the bass response.	Decrease the bass response.
BALANCE	Emphasize the right speaker's volume.	Emphasize the left speaker's volume.

To restore the factory settings

While the AUDIO menu is displayed, press the joystick up, down, right or left to select RESET and then click the joystick. All the settings in the AUDIO menu are reset to the factory settings.

Selecting stereo or bilingual programs (MTS)

The Multichannel TV Sound (MTS) feature gives you the choice to enjoy stereo sound or Second Audio Programs (SAP) when available. The initial setting is stereo sound (MAIN).

1 Press MENU.

2 Press the joystick up or down to select AUDIO and click the joystick.

3 Press the joystick up or down to select MTS and click the joystick.



4 Press the joystick up or down to select MAIN, SAP or MONO and click the joystick.



Choose	To
MAIN	Listen to stereo sound. The STEREO indicator on the projection TV lights up while a stereo broadcast is received.
SAP	Listen to bilingual programs. The sound of non-SAP programs will be muted when SAP is selected.
MONO	Reduce noise during stereo broadcasts.

Note

- Stereo and SAP sounds are subject to program sources.

Setting the speaker switch (SPEAKER)

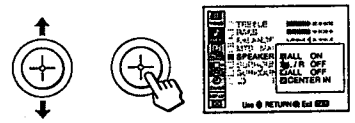
You may switch off the projection TV speakers when, for example, you want to listen to the sound through a stereo system.

If you connect an amplifier with Dolby Pro Logic decoder to the CENTER SPEAKER IN terminal, you can use the projection TV speakers as center speaker.

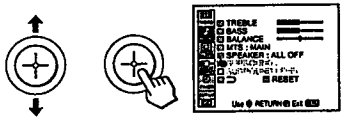
1 Press MENU.

2 Press the joystick up or down to select AUDIO and click the joystick.

3 Press the joystick up or down to select SPEAKER and click the joystick.



4 Press the joystick up or down to select ALL ON, L/R OFF, ALL OFF or CENTER IN and click the joystick.



Choose	To
ALL ON	Listen to the sound from the projection TV.
L/R OFF	Turn off only the projection TV left and right speaker sound and listen to the projection TV's front left and right channel sound through the audio system speakers.
ALL OFF	Turn off the projection TV speaker sound and listen to the projection TV's sound solely through the audio system speakers.
CENTER IN	Use the projection TV center speakers as the center speaker in another surround audio system.

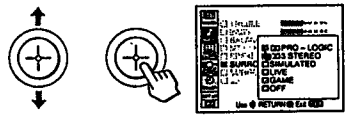
Selecting the surround mode

This projection TV incorporates center speakers and can be connected to the supplied rear speakers. You can take advantage of surround sound simply by selecting a surround mode according to the type of program you are watching. You can select the surround mode when the SPEAKER mode is set to ALL ON or L/R OFF.

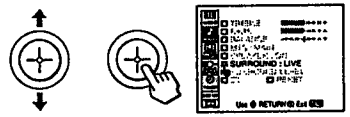
1 Press MENU.

2 Press the joystick up or down to select AUDIO and click the joystick.

3 Press the joystick up or down to select SURROUND MODE and click the joystick.



4 Press the joystick up or down to select the surround mode you want.



Choose	To
DD PRO-LOGIC	Obtain superb theater-like surround effects. This mode is most effective with programs encoded in Dolby surround.
DD 3 STEREO	Obtain the surround sound without using rear speakers. The sound of the rear channel is output from the front speakers. Use this mode if you don't want to use the rear speakers.
SIMULATED	Create a simulated stereo sound. Use this mode for program in monaural.
LIVE	Obtain the surround sound with the atmosphere of a concert hall. Use this mode for music programs.
GAME	Obtain maximum audio impact from video game software.
OFF	Turn off the surround effects.

(continued)

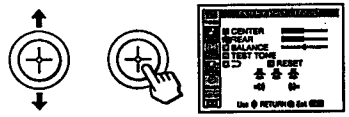
Adjusting the speaker volume

After selecting the surround mode, adjust the volume of each speaker to the same level so that the selected surround sound will be even and natural. For DDPRO-LOGIC and DD3 STEREO modes, adjust the speaker volume using the test tone feature.

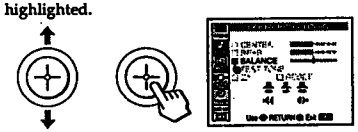
1 Press MENU.

2 Press the joystick up or down to select AUDIO and click the joystick.

3 Press the joystick up or down to select SURROUND LEVEL and click the joystick.
The speaker volume setting screen appears.



4 Press the joystick up or down to select CENTER, REAR or BALANCE and click the joystick.
The selected speaker(s) in the menu is(are) highlighted.



Choose	To adjust
CENTER*	The level of center speaker.
REAR**	The level of rear speakers.
BALANCE	The level between the right and left speakers.

* The center level cannot be adjusted in the SIMULATED mode.
** The rear level cannot be adjusted in the DD3 STEREO mode.

5 Press the joystick right or left to adjust the volume level and click the joystick.



6 Repeat steps 4 and 5 to adjust other speakers so that you hear the sound from each speaker at the same volume.

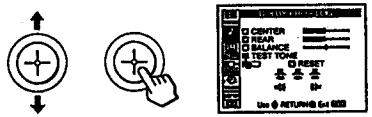
To restore the factory settings
While the volume setting screen is displayed, press the joystick up, down, right or left to select RESET then click the joystick. All of the speaker levels of the selected mode are reset to the factory setting.

Adjusting the speaker volume using the test tone

In DD PRO LOGIC or DD3 STEREO mode, the test tone feature makes it easy to adjust the volume level of each speaker to the same level.
After step 3 in "Adjusting the speaker volume", follow the procedure below:

1 Press the joystick up or down to select TEST TONE and click the joystick.
You can hear the test tone output from each speaker in sequence.

The test tone is output:
Front left → Center → Front right → Rear



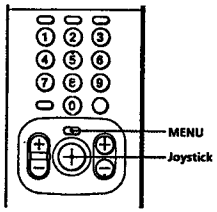
2 Follow steps 4 to 6 in "Adjusting the speaker volume".

3 Click the joystick to turn off the test tone.

Using the PROGRAM PALETTE menu

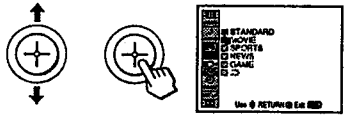
Selecting picture effect (PROGRAM PALETTE)

You can select one of five modes for picture effect that best suits the different programs.
You can also adjust the picture for each setting to suit your taste.

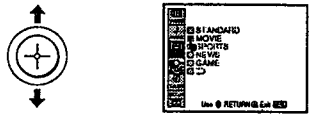


1 **Press MENU.**

2 **Press the joystick up or down to select PROG PALETTE and click the joystick.**



3 **Select the item you want.**
For example:
(1) To select MOVIE, press the joystick up or down to move the cursor to MOVIE.



(2) Click the joystick.



For details on each item, see "Effect of picture settings" below.

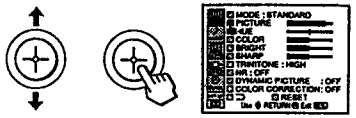
Effect of picture settings

Item	Picture effect
STANDARD	Standard
MOVIE	Finely detailed picture
SPORTS	Vivid, bright picture
NEWS	Reduced noise in picture
GAME	Softer picture

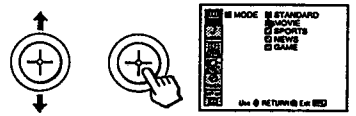
Adjusting the picture in PROGRAM PALETTE

1 **Press MENU.**

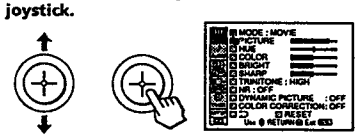
2 **Press the joystick up or down to select VIDEO and click the joystick.**



3 **Press the joystick up or down to select MODE and click the joystick.**



4 **Press the joystick up or down to select the item you want to adjust and click the joystick.**



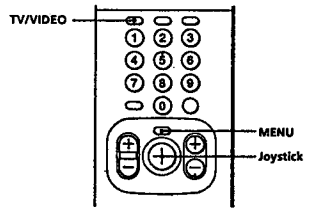
5 **Adjust the picture according to the steps 3 to 5 in "Adjusting the picture" on page 23.**

To restore the factory setting
While the VIDEO menu is displayed, press the joystick up, down, right or left to select RESET and click the joystick.

Using the INPUT/ OUTPUT menu

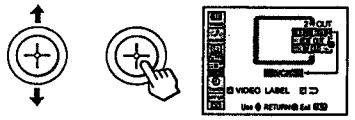
Selecting an output signal (INPUT/ OUTPUT)

You can select an output signal from the SELECT OUT jacks at the rear of the projection TV.



1 **Press MENU.**

2 **Press the joystick up or down to select INPUT/OUTPUT and click the joystick.**



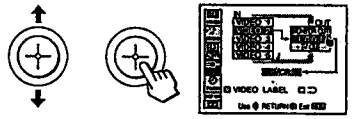
3 **Select MONITOR OUT, EDIT OUT or TV OUT.**

Select	To
MONITOR OUT	Output the signal of the picture displayed on the projection TV screen. Use this option to edit tapes while monitoring.
EDIT OUT	Output the signal input to the projection TV regardless of the displayed picture on the screen. Use this option to edit tapes while watching an input image different from that being recorded.
TV OUT	Output the TV signal. Use this option when you connect an AV receiver to the VIDEO 1 IN jacks.

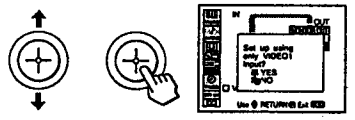
To select MONITOR OUT:
(1) Make sure the cursor is beside MONITOR OUT and click the joystick.
(2) Press TV/VIDEO to select the input to the projection TV and click the joystick.



To select EDIT OUT:
(1) Press the joystick up or down to select EDIT OUT and click the joystick.
(2) Press the joystick up or down to select the input to be edited and click the joystick.



To select TV OUT:
(1) Press the joystick up or down to select TV OUT and click the joystick.
"Set up using only VIDEO1 input?" appears.



(2) If you connect only an AV receiver to your projection TV, press the joystick up or down to select YES. Then click the joystick. You can always select the signal from the receiver by pressing TV/VIDEO once.
If you connect your audio/video equipment to the projection TV, select NO. You can select any of the VIDEO 1 to VIDEO 5 inputs with the TV/VIDEO button.

Notes
- When you set INPUT/OUTPUT to TV OUT, you cannot swap the main/right and window/left pictures.
- The SELECT OUT signal is only available when the projection TV is on.

Setting video labels (VIDEO LABEL)

This feature allows you to label each input mode so that you can easily identify the connected equipment. For example, you can label VIDEO 2 IN as VHS.

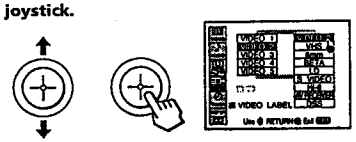
1 **Press MENU.**

2 **Press the joystick up or down to select INPUT/OUTPUT and click the joystick.**

3 **Press the joystick up, down, right or left to select VIDEO LABEL and click the joystick.**



4 **Press the joystick up or down to select the input mode you want to label and click the joystick.**



5 **Press the joystick up or down to select the label and click the joystick.**



6 **Repeat steps 4 and 5 to label other input modes.**

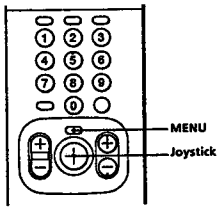
Note

- If more than 90 seconds elapse after you press a button, the menu disappears automatically.

Using the TIMER menu

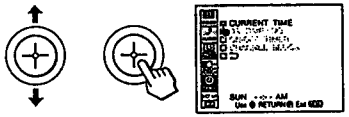
Setting the clock (CURRENT TIME)

Setting the clock enables you to check the time, turn the projection TV on and off with the timer, or to block a TV channel from being watched at a certain time.



1 **Press MENU.**

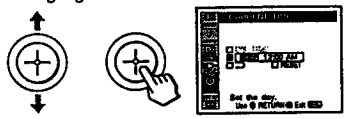
2 **Press the joystick up or down to select TIMER and click the joystick.**



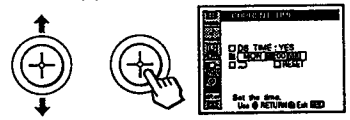
3 **Make sure the cursor (☛) is beside CURRENT TIME, and click the joystick.**
If the cursor is not beside CURRENT TIME, press the joystick up or down to move the cursor.



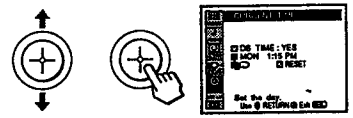
4 **Set the current time.**
(1) Press the joystick up or down to select time display and click the joystick. The item to be set is highlighted.



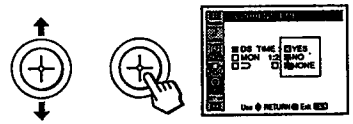
(2) Press the joystick up or down to set the day and click the joystick.



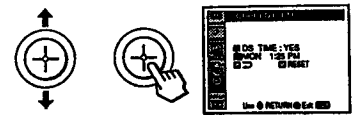
(3) Set the hour and minute in the same way as in step (2). When you click the joystick after setting the minute, the clock starts.



5 **Press the joystick up or down to select DS (Daylight Saving) TIME, and click the joystick.**



6 **Press the joystick up or down to select YES, NO or NONE and click the joystick.**



Choose	To
YES	Set for daylight saving start (set after the first Sunday in April). Current time automatically moves one hour ahead.
NO	Set for daylight saving end (set after the last Sunday in October). This option is set at the factory.
NONE	Deactivate daylight saving time (if your area does not use daylight saving time).

To correct the time
While the CURRENT TIME menu is displayed, press the joystick up, down, right or left to select RESET, and then click the joystick.

To display the current time on the projection TV screen
Press DISPLAY.

Notes

- If you unplug the projection TV or a power interruption occurs, the clock setting will be erased. Reset the current time.
- If you connect a VCR using an RF cable, the projection TV may not set up the correct current time information.

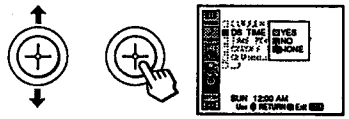
Setting your daylight saving time (DS TIME)

Make sure to set the clock before setting daylight saving time.

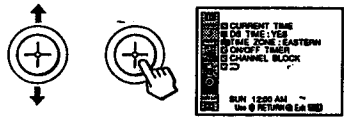
1 **Press MENU.**

2 **Press the joystick up or down to select TIMER and click the joystick.**

3 **Press the joystick up or down to select DS TIME and click the joystick.**



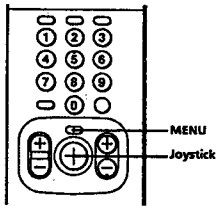
4 **Press the joystick up or down to select YES, NO or NONE and click the joystick.**



Choose	To
YES	Set for daylight saving start (set after the first Sunday in April). Current time automatically moves one hour ahead.
NO	Set for daylight saving end (set after the last Sunday in October). This option is set at the factory.
NONE	Deactivate daylight saving time (if your area does not use daylight saving time).

Setting the timer to turn the projection TV on and off (ON/OFF TIMER)

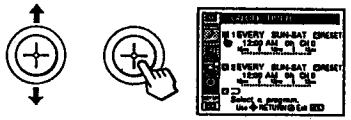
You can set the projection TV to turn on and off at the time you specify. Make sure the clock is set correctly. If it is not, set the clock first (page 31).



1 **Press MENU.**

2 **Press the joystick up or down to select TIMER and click the joystick.**

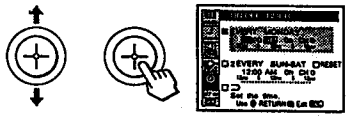
3 **Press the joystick up or down to select ON/OFF TIMER and click the joystick.**



4 **Enter the ON/OFF TIMER setting.**

(1) Press the joystick up or down to select program 1 or 2 and click the joystick.

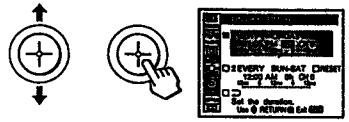
(2) Press the joystick up or down to set the day(s) and click the joystick. Each time you press the joystick up or down, the days cycle as shown below.
EVERY SUN–SAT→EVERY MON–FRI→
SUNDAY→...→SATURDAY→EVERY
SUNDAY→...→EVERY SATURDAY



(continued)

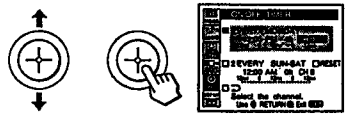
(3) Press the joystick up or down to set the time (hour then minute) that you want to turn on the projection TV and click the joystick.

The ▲ indicator appears indicating the turn-on time.

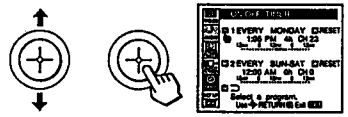


(4) Press the joystick up or down to set the time duration and click the joystick.

Each time you click the joystick, the time duration increases by one hour up to a maximum of six hours. The bar indicator shows how long the projection TV is on.



(5) Press the joystick up or down to select the channel and click the joystick.



The TIMER indicator on the projection TV lights.

5 **To set another program, click the joystick and repeat step 4.**

One minute before the projection TV turns off, a message "TV will turn off." is displayed on the screen.

To cancel the timer

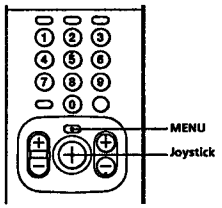
While the ON/OFF TIMER is displayed, press the joystick right or left to select RESET besides the program to be reset. Then click the joystick.

Note

- If you unplug the projection TV or a power interruption occurs, ON/OFF TIMER settings will be erased. Reset the current time, then set the timer.

Blocking out a channel (CHANNEL BLOCK)

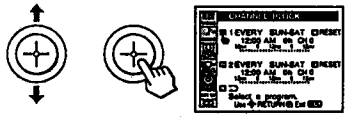
This feature allows you to prevent children from watching unsuitable programs. Make sure the clock is set correctly. If it is not, set the clock first (page 31).



1 **Press MENU.**

2 **Press the joystick up or down to select TIMER and click the joystick.**

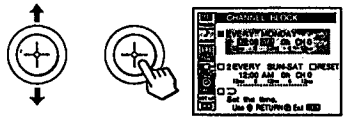
3 **Press the joystick up or down to select CHANNEL BLOCK and click the joystick.**



4 **Enter a CHANNEL BLOCK setting.**

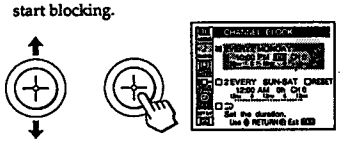
(1) Press the joystick up or down to select program 1 or 2 and click the joystick.

(2) Press the joystick up or down to set the day(s) and click the joystick. Each time you press the joystick up or down, the days cycle as shown below.
EVERY SUN–SAT→EVERY MON–FRI→
SUNDAY→...→SATURDAY→EVERY
SUNDAY→...→EVERY SATURDAY



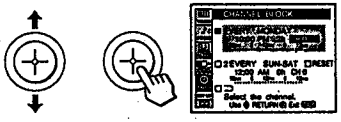
(3) Press the joystick up or down to set the time (hour then minute) that you want to start blocking the channel and click the joystick.

The ▲ indicator appears indicating the time to start blocking.

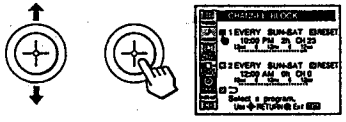


(4) Press the joystick up or down to select the time duration you want to block and click the joystick.

Each time you click the joystick, the time duration increases by one hour up to a maximum of 12 hours. The bar indicator shows how long the projection TV is blocked out.



(5) Press the joystick up or down to select the channel and click the joystick.



5 To set another program, click the joystick and repeat step 4.

If you select the blocked channel during the time you set, the message "BLOCKED" appears and the picture is blocked and the sound is muted.

To cancel a CHANNEL BLOCK setting

While the CHANNEL BLOCK menu is displayed, press the joystick right or left to select RESET besides the program to be reset. Then click the joystick.

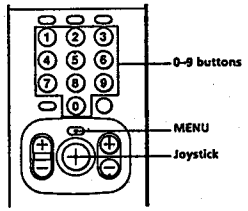
Note

- If the CHANNEL BLOCK and ON/OFF TIMER settings are overlapped, the later time setting has priority over the earlier setting.

Using the SET UP menu

Customizing the channel names (CH CAPTION/LOGO)

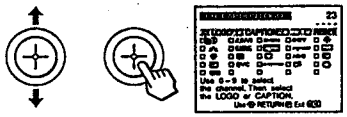
You can add a caption to up to 20 channels. This feature allows you to easily identify which channel you are watching. You can choose a broadcaster's logo (LOGO) or make your own four-letter caption (CAPTION).



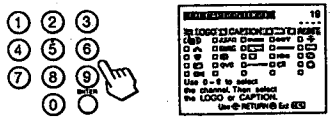
1 Press MENU.

2 Press the joystick up or down to select SET UP and click the joystick.

3 Press the joystick up or down to select CH CAPTION/LOGO and click the joystick.



4 Press the 0–9 buttons to select the channel that you want to caption.

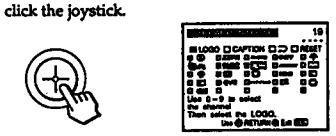


(continued)

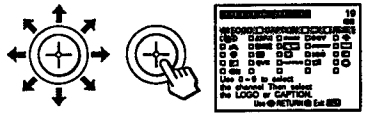
5 Select LOGO or CAPTION.

To select LOGO:

(1) Make sure that the cursor is beside LOGO, and click the joystick.



(2) Press the joystick in any of eight directions to select the broadcaster's logo and click the joystick.



To select CAPTION

(1) Press the joystick right or left to select CAPTION and click the joystick.



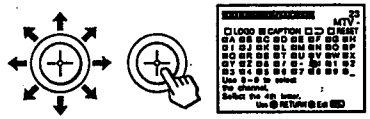
(2) Press the joystick in any of eight directions to select the first letter.



(3) Click the joystick.



(4) Repeat steps (2) and (3) to select the remaining letters.



If you select fewer than three letters, move the cursor ( ) to "–" after entering the letters, and click the joystick.

6 Repeat steps 4 and 5 to caption other channels.

To erase a caption

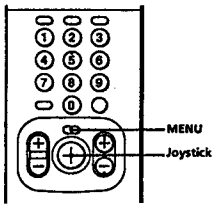
While the CH CAPTION/LOGO menu is displayed, press the joystick in any of eight directions to select RESET, then click the joystick.

Notes

- If the CH CAPTION/LOGO menu appears in grey, the projection TV is set to a video input, and you cannot select CH CAPTION/LOGO. Press TV/VIDEO so that a channel number appears.
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.
- The CH CAPTION/LOGO feature is also available for the AUX input.
- If you move the cursor to the blank spaces at the bottom of the CH CAPTION/LOGO menu when you are selecting a logo, you cannot select any logo.

Setting your favorite channels (FAVORITE CHANNEL)

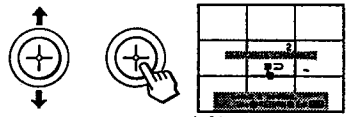
This feature allows you to select your favorite channels (up to eight channels) easily while displaying them on the screen at the same time.



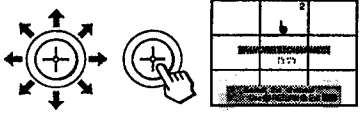
1 **Press MENU.**

2 **Press the joystick up or down to select SET UP and click the joystick.**

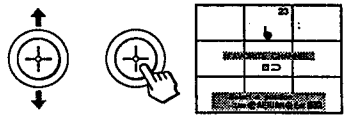
3 **Press the joystick up or down to select FAVORITE CHANNEL and click the joystick.**



4 **Press the joystick in any of eight directions to select the position in the FAVORITE CHANNEL screen, then click the joystick.**
The current channel is displayed in the selected position.



5 **Press the joystick up or down to select the desired channel and click the joystick.**
The new channel is stored in the FAVORITE CHANNEL screen in the selected position.



6 **Repeat steps 4 and 5 to set other favorite channels.**

Note
- If you set TV INPUT to any option other than OFF, you cannot use the FAVORITE CHANNEL feature.

Selecting a favorite channel

After you set your favorite channels, you can select a channel you want while displaying all your favorite channels on the projection TV screen at the same time.

1 **Click the joystick.**
Eight window pictures of your favorite channels appear on the screen with the full-motion picture of the currently selected channel in the center.



2 **Press the joystick to move the cursor to the channel you want to watch.**
The joystick of the remote commander lets you select any picture with a press.



3 **Click the joystick.**
The picture of the selected channel is displayed on the screen.



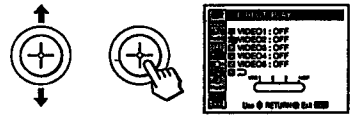
Selecting a VCR input directly (DIRECT PLAY)

The DIRECT PLAY feature allows you to switch from TV input to VCR input mode by pressing the ► (playback) button on the supplied remote commander. For example, connect your VCR to the VIDEO 1 IN jacks and set the VTR1 2 3 MDP selector located beneath the lid of the remote commander to VTR2. After completing the procedure below, the input mode is switched to the VCR connected to the VIDEO 1 IN jacks when you press the ► button.

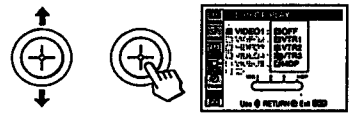
1 **Press MENU.**

2 **Press the joystick up or down to select SET UP, and click the joystick.**

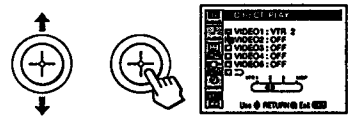
3 **Press the joystick up or down to select DIRECT PLAY and click the joystick.**



4 **Press the joystick up or down to select the input to which the video equipment is connected and click the joystick.**



5 **Press the joystick up or down to select the position of the VTR1 2 3 MDP selector and click the joystick.**



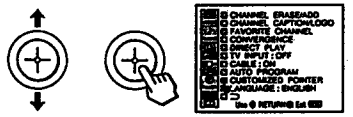
Customizing the pointer (CUSTOMIZED POINTER)

You can choose the desired cursor (pointer) from among eight different designs and/or colors.

1 **Press MENU.**

2 **Press the joystick up or down to select SET UP and click the joystick.**

3 **Press the joystick up or down to select CUSTOMIZED POINTER and click the joystick.**



4 **Press the joystick in any of eight directions to select the desired cursor and click the joystick.**

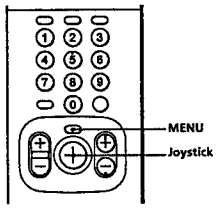


Displaying Caption Vision/XDS

(CAPTION VISION/XDS)

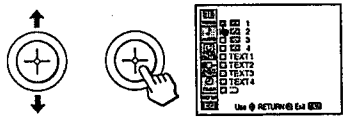
Some programs are broadcast with Caption Vision. To display Caption Vision, select either CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3 or TEXT4 from the menu. CC1, CC2, CC3 or CC4 shows you a caption, that is a printed version of the dialog or sound effects of a program. (The mode should be set to CC1 for most programs.) TEXT1, TEXT2, TEXT3 or TEXT4 shows you text, that is information presented using either half or the whole screen. It is not usually related to the program.

Some programs are broadcast with XDS (Extended Data Service) which shows a network name, program name, program length, call letters and time of the show. When you select XDS with the DISPLAY button, this information will be displayed on the screen if the broadcaster offers this service.

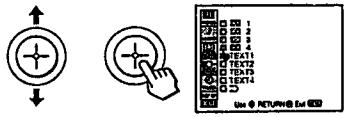


1 **Press MENU.**

2 **Press the joystick up or down to select CC and click the joystick.**



3 **Press the joystick up or down to select the caption type and click the joystick.**
The selected caption type is colored green.



To turn off the caption, text or XDS
Press DISPLAY on the remote commander until "DISPLAY OFF" appears on the screen. Each time you press DISPLAY, the display changes as follows:

on-screen information → XDS → Caption Vision or Text
↑ DISPLAY OFF ←

"DISPLAY OFF" turns off after three seconds.

Note
- Captions may appear with a white box or another error instead of a certain word. Poor reception of TV programs can also cause errors in Caption Vision.

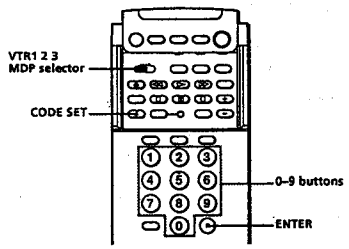
Operating video equipment

You can program the supplied remote commander to operate video equipment that have an infrared remote sensor. For programming, set the manufacturer's code number. You can set the manufacturer's code to each of four positions of the VTR1 2 3 MDP selector, so that you can operate four different pieces of equipment.

Setting the manufacturer's code

The following Sony video equipment is assigned to each position of the VTR1 2 3 MDP selector at its factory preset:

VTR1 Beta, ED Beta VCRs
VTR2 8 mm VCR
VTR3 VHS VCR
MDP Multi-disc player



(with the lid open)

Note
- To use another manufacturer's equipment besides a Sony VCR, set the selector to a position not being used for your Sony VCR.

1 **Turn off the equipment you want to set up.**

2 **Open the lid, then set the VTR1 2 3 MDP selector to the position you want to set the code.**



3 **Press CODE SET, then press 0 – 9 to enter the manufacturer's code number (see the chart below) and press ENTER. For example, to operate a Sony 8 mm VCR, press CODE SET, 3, 0, 2 and ENTER.**



VCR manufacturer code numbers

Manufacturer	Code number
Sony	301, 302, 303
Aiwa	338
Audio Dynamic	314, 337
Bell & Howell (M. Wards)	330, 343
Brocsonic	319
Canon	309, 308
Citizen	332
Craig	315, 302, 332
Curtis Mathis	304, 338, 309
Daewoo	341, 312, 309
DBX	314, 336, 337
Dimensia	304
Emerson	319, 320, 316, 317, 318
Fisher	330, 334, 335, 333
Funai	338
General Electric	329, 304, 309
Goldstar	332
Hitachi	306, 304, 305
Instant Replay	309, 308
JC Penny	309, 305, 304, 330, 314, 336, 337
JVC	314, 336, 337
Kenwood	314, 336, 332, 337
LXI (Sears)	332, 305, 333, 334, 330, 335
Magnavox	310, 308, 309
Marantz	314, 336, 337
Marta	332
Memorex	309, 335
Minolta	305, 304
Mitsubishi/MGA	323, 324, 325, 326
Multitech	325, 338, 321
NEC	314, 336, 337
Olympic	309, 308
Panasonic	308, 309, 306, 307
Pentax	305, 304
Philco	308, 309
Philips	310, 308, 309
Pioneer	308
Quasar	308, 309
RCA/PROSCAN	304, 305, 308, 309, 310, 311, 312, 313

(continued)

VCR manufacturer code numbers

Manufacturer	Code number
Realistic	309, 330, 328, 335, 324, 338
Sansui	314
Singer	315
Samsung	322, 313, 321
Sanyo	330, 335
Scott	312, 313, 321, 335, 323, 324, 325, 326
Sharp	327, 328
Shintom	315
Signature 2000 (M. Wards)	338, 327
Sylvania	310, 308, 309, 338
Symphonic	338
Tashiro	332
Tatung	314, 336, 337
Teac	314, 336, 338, 337
Technics	309, 308
Toshiba	312, 311
Wards	327, 328, 335, 331, 332
Yamaha	330, 314, 336, 337
Zenith	331

MDP manufacturer code numbers

Manufacturer	Code number
Sony	701
Kenwood	707
Magnavox	703
Maranz	702
Mitsubishi	702
Panasonic	704
Philips	703
Pioneer	702
RCA	702
Sanyo	706
Sharp	705
Yamaha	703

Notes

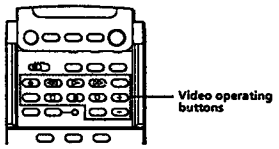
- If more than one code number is listed, try entering them one by one, until you come to the correct code for your equipment.
- In some rare cases, you may not be able to operate your non-Sony video equipment with this remote commander. This is because your equipment may use a code that is not provided with this remote commander. In this case, please use the equipment's own remote control unit or use the learning function (page 43).
- The code numbers for Sony equipment are assigned at the factory as follows:

VHS VCR	301
8 mm VCR	302
Beta, ED Beta VCRs	303
Multi-disc player	701

Caution

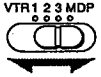
- Whenever you remove the batteries — to replace them, for example — if too much time is taken, the code numbers revert to the factory settings and must be reset.

Operating video equipment



(with the lid open)

1 Set the VTR1 2 3 MDP selector to the position you set for the video equipment.



2 Use the video operating buttons on the remote commander to operate the video equipment.

Operating a VCR	Buttons on the remote commander
To turn on or off	Press POWER
To change channels	Press CH +/–
To record	Press ● and REC simultaneously
To play	Press ►
To stop	Press ■
To fast forward	Press ►►
To rewind the tape	Press ◄◄
To pause	Press II To resume normal playback, press again.
To search the picture forward or backward	Press ►► or ◄◄ during playback To resume normal playback, release the button.
To change input mode	Press TV/VTR
To eject a cassette	Press ≙ (Used only with Sony brand products)

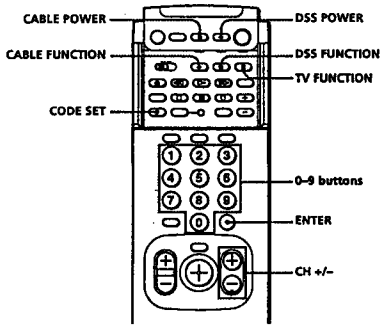
Operating a multi-disc player	Buttons on the remote commander
To turn on or off	Press POWER
To play	Press ►
To stop	Press ■
To pause	Press II To resume normal playback, press again.
To search the picture forward or backward	Keep pressing ►► or ◄◄ during playback To resume normal playback, release the button.
To search the chapter forward and backward	Press CH +/–
To eject a disc	Press ≙ (Used only with Sony brand products)

Note

- If the video equipment does not have a certain function, the corresponding button on this remote commander will not operate.

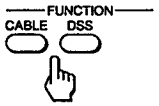
Operating a cable box or DSS receiver

You can program the supplied remote commander to operate a cable box or DSS receiver. Follow the procedures below to set the manufacturer's code number to operate it.

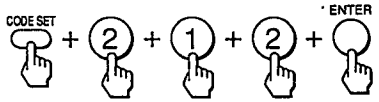


(with the lid open)

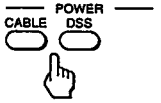
1 Turn off the equipment you want to set up and press FUNCTION of the equipment you want to set up (CABLE or DSS).



2 Press CODE SET, then press 0 – 9 to enter the manufacturer's code number (see the chart below) and press ENTER. For example, to program your remote commander to operate a Zenith cable box, press CODE SET, 2, 1, 2 and ENTER.



3 Press CABLE POWER to turn on a cable box or DSS POWER when you use a DSS receiver.



4 Use the pojection TV control buttons to check if your code number works.

For example, to operate a cable box, you can use the CABLE POWER, JUMP, CH +/–, 0–9 and ENTER buttons.
To operate a DSS receiver, you can use the DSS POWER, JUMP, DISPLAY, MENU and 0–9 buttons, and the joystick.

To operate the projection TV

Press TV FUNCTION. Then use the projection TV control buttons to control the projection TV.

For more details on operating the cable box or DSS receiver

Refer to the operating instructions that come with the equipment.

If the remote commander doesn't work

- First, try repeating the setup procedures using the other codes listed for your equipment.
- If — after trying all the codes listed for your equipment — you still cannot get the remote commander to work properly, try the learning function described on page 43.

Manufacturer code numbers (cable box)

Manufacturer	Code number
Hamlin/Regal	222, 223, 224, 225, 226
Jerrold/G. I.	201, 202, 203, 204, 205, 206, 207, 208, 218
Oak	227, 228, 229
Panasonic	219, 220, 221
Pioneer	214, 215
Scientific Atlanta	209, 210, 211
Tocom	216, 217
Zenith	212, 213

Manufacturer code numbers (DSS receiver)

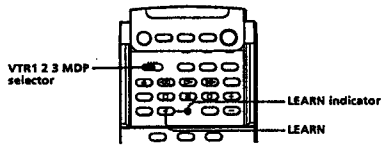
Manufacturer	Code number
Sony	801
RCA	802

Notes

- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- If you enter a new code number, the code number you previously entered at that setting is erased.
- In some rare cases, your equipment may use a code that is not provided with this remote commander and you may not be able to operate your equipment with the supplied remote commander. In this case, use the equipment's own remote control unit or use the learning function (page 43).
- Whenever you remove the batteries — to replace them, for example — if too much time is taken, the code numbers revert to the factory settings and must be reset.

Operating non-preprogrammed equipment — Learning function

You can program the supplied remote commander to learn the functions of another remote commander. Use this function to operate equipment whose manufacturer's code is not preprogrammed, such as Sony or other manufacturers' audio equipment or other equipment whose manufacturer's code is not listed on pages 40 – 42.

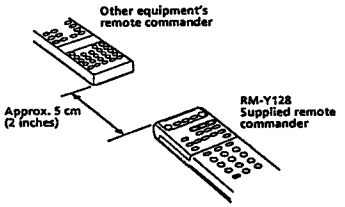


(with the lid open)

1 **Set the VTR1 2 3 MDP selector to VTR3 or MDP.**



2 **Place the supplied remote commander and the other equipment's remote commander directly facing each other, approximately 5 cm (2 inches) apart.**



3 **Press and release the LEARN button.**
The LEARN indicator lights up.



4 **Press and release the button on the supplied remote commander that will learn the function.**
The LEARN indicator flashes off and then on again, indicating that the remote commander is ready to learn.

5 **Hold down the corresponding button on the other remote commander and release the button when the LEARN indicator flashes off then on again.**
When the LEARN indicator flashes off and then on again, this indicates that learning is complete. If not, repeat steps 4 and 5.

6 **Repeat steps 4 and 5 to learn other functions.**

7 **Press LEARN.**
The LEARN indicator goes off, indicating that learning is complete.

Notes

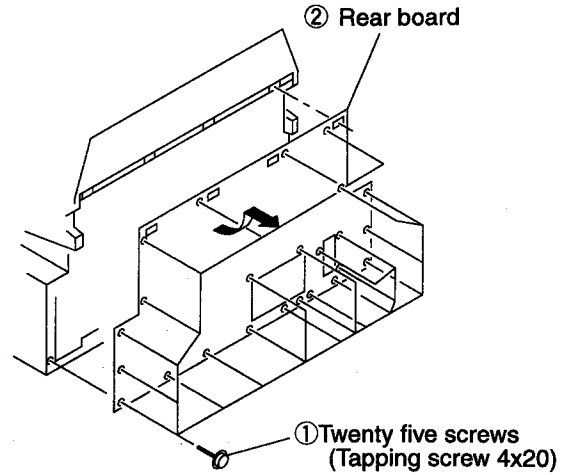
- The LEARNING function does not work in VTR1 or VTR2 setting.
- Do not move the remote commanders during learning.
- If you press a button of the supplied remote commander that cannot be used for learning in learning mode, the LEARN indicator flashes four times.
- If the other remote commander's signal cannot be learned, the LEARN indicator flashes four times.
- To clear all learned signals from memory, set the VTR1 2 3 MDP selector to MDP, press LEARN, then press TV POWER while holding down VOL –. Then press LEARN again.

Caution

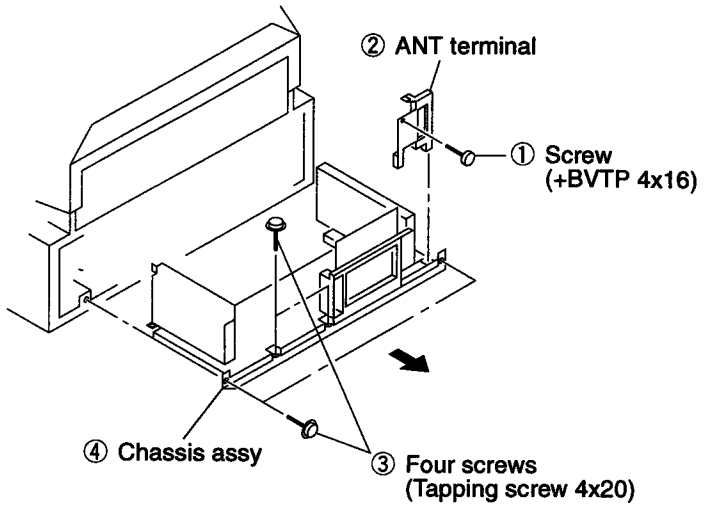
- Whenever you remove the batteries — to replace them, for example — if too much time is taken, the code numbers revert to the factory settings and must be reset.

SECTION 2
DISASSEMBLY

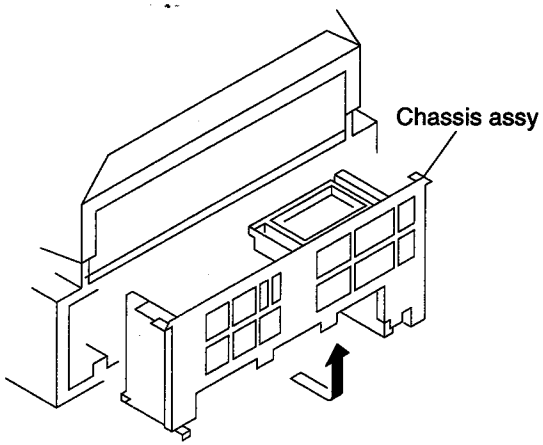
2-1. REAR BOARD REMOVAL



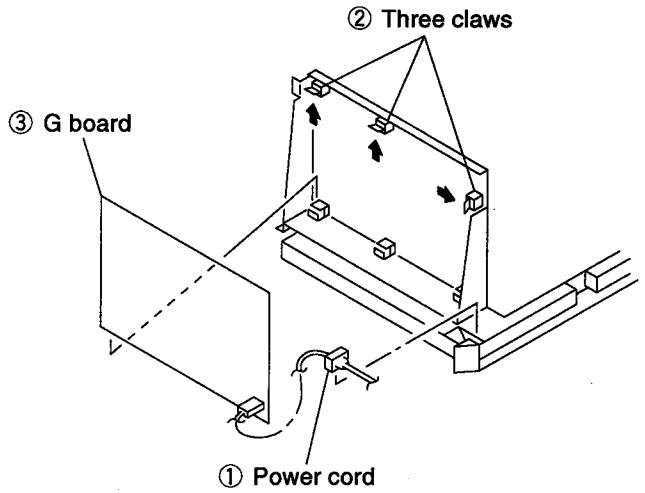
2-2. CHASSIS ASSY REMOVAL



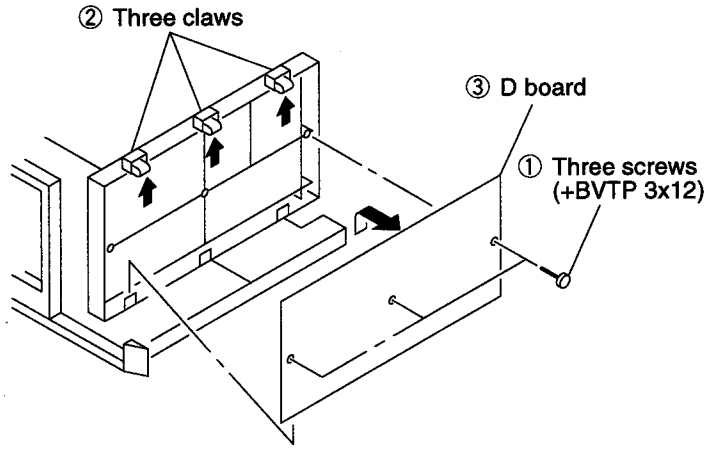
2-3. SERVICE POSITION



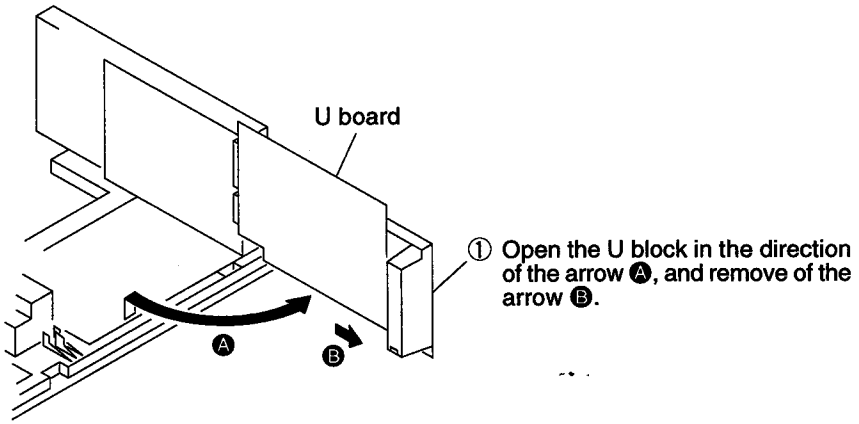
2-4. G BOARD REMOVAL



2-5. D BOARD REMOVAL



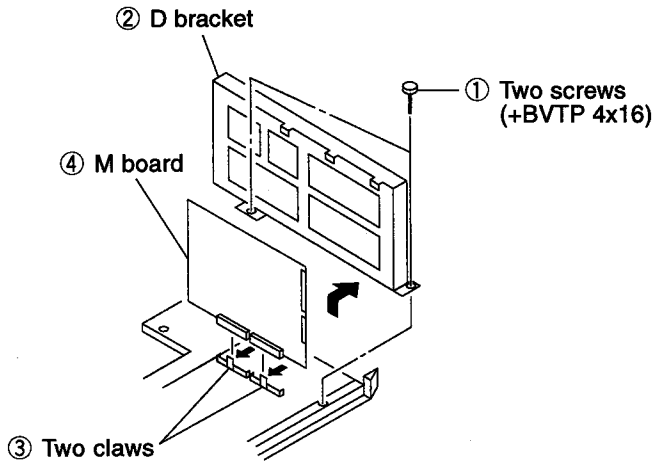
2-6. U BOARD REMOVAL



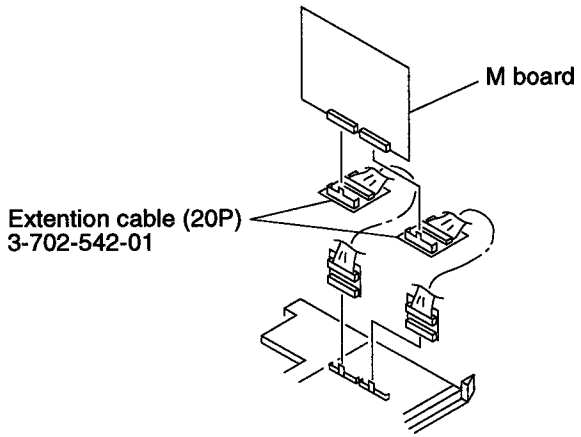
2-7-1. M BOARD REMOVAL

Remove the D board. (Refer to 2-5.)

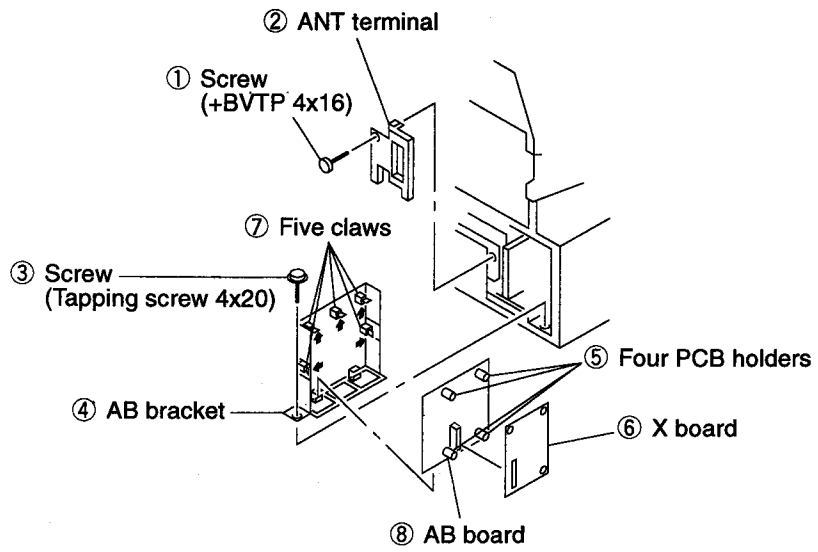
Remove the U board. (Refer to 2-6.)



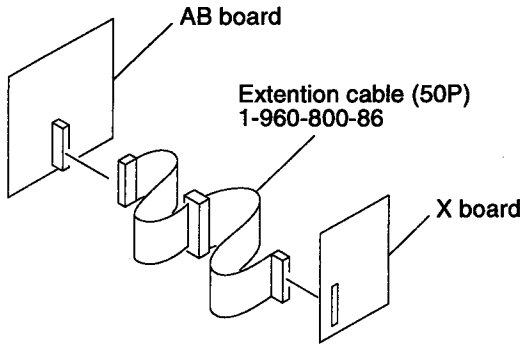
2-7-2. EXTENTION CABLE (M BOARD)



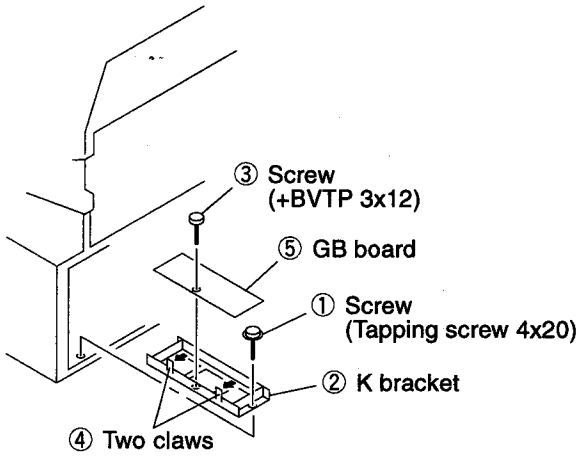
2-8-1. AB AND X BOARDS REMOVAL



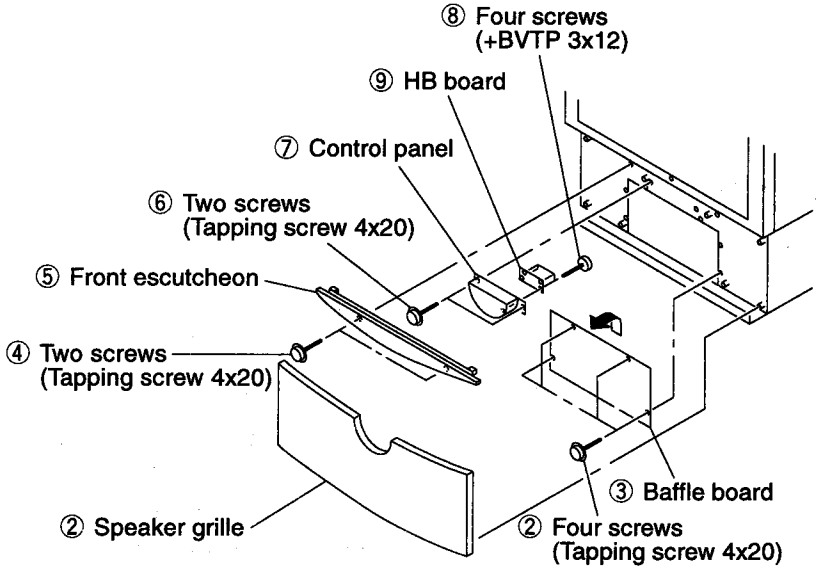
2-8-2. EXTENTION CABLE (X BOARD)



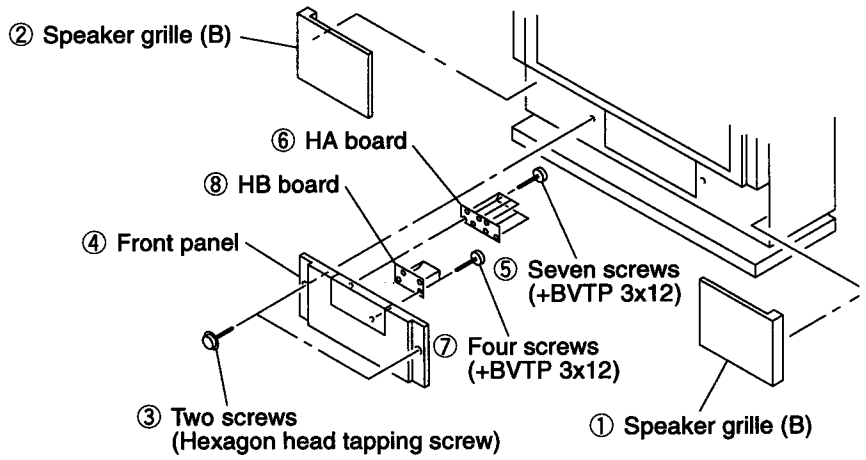
2-9. GB BOARD REMOVAL



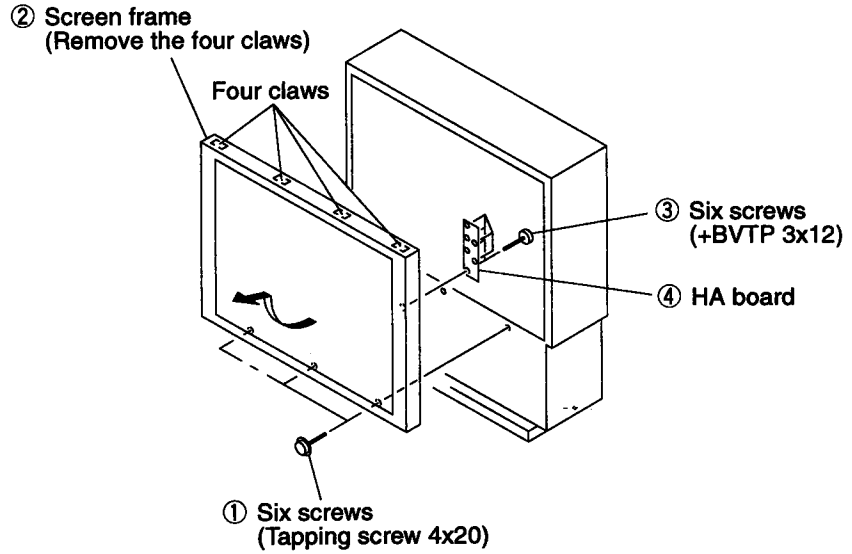
2-10-1. HB BOARD REMOVAL (KP-53XBR45)



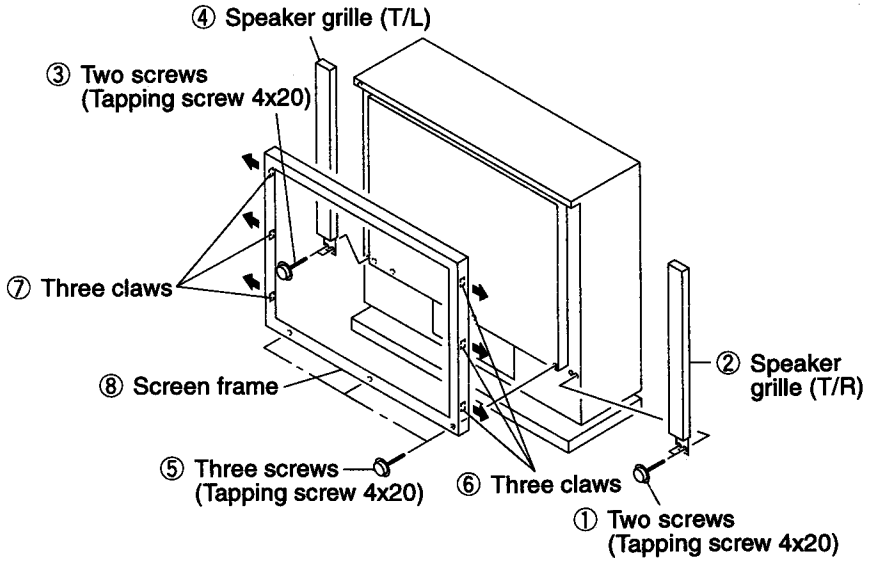
2-10-2. HA AND HB BOARDS REMOVAL (KP-61XBR48)



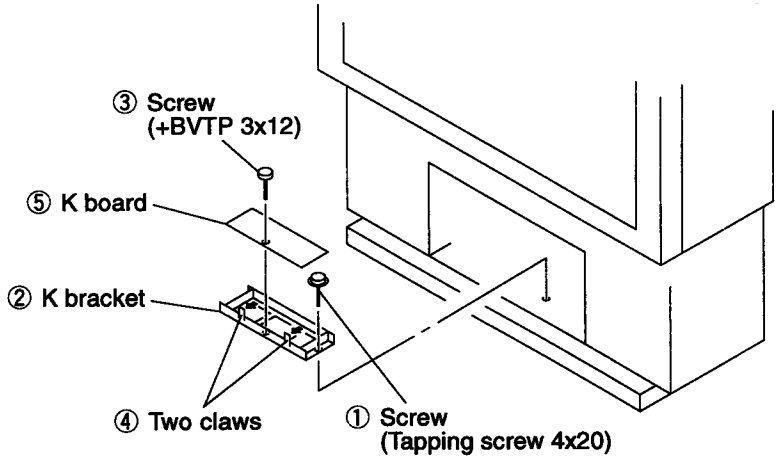
2-11-1. HA BOARD REMOVAL (KP-53XBR45)



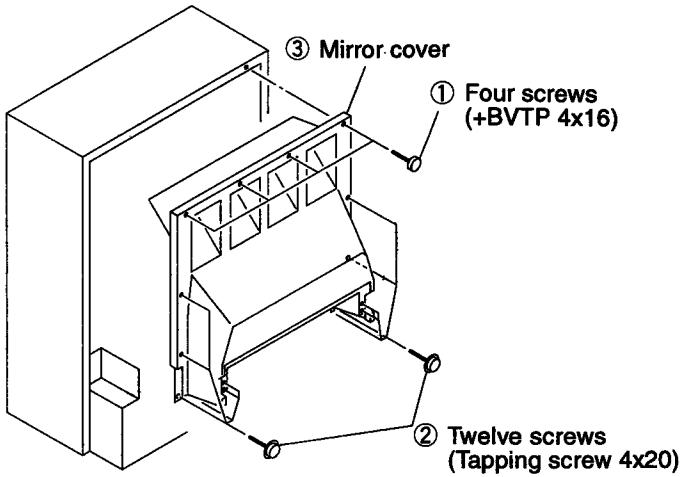
2-11-2. SCREEN FRAME REMOVAL (KP-61XBR48)



2-12. K BOARD REMOVAL

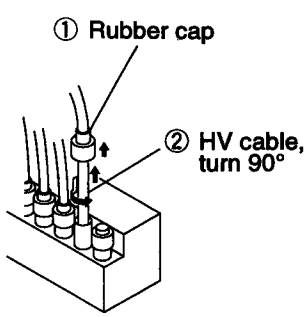


2-13. MIRROR COVER REMOVAL

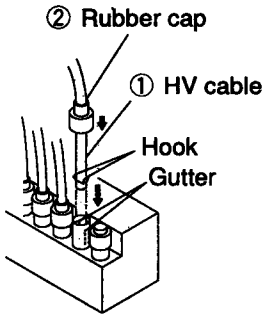


2-14. HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL

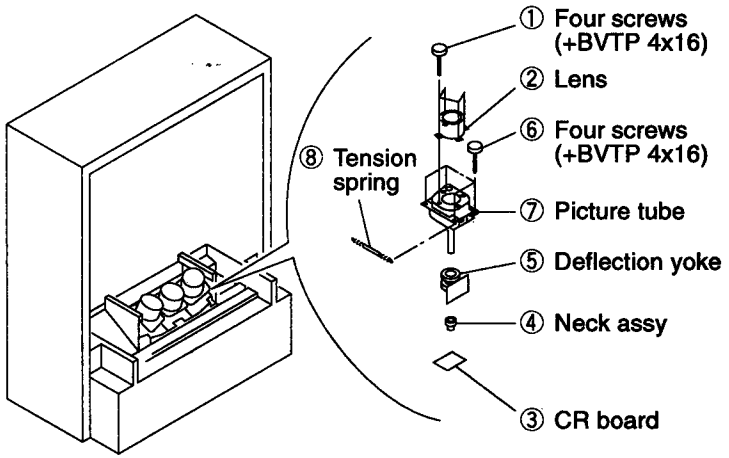
(1) Remover



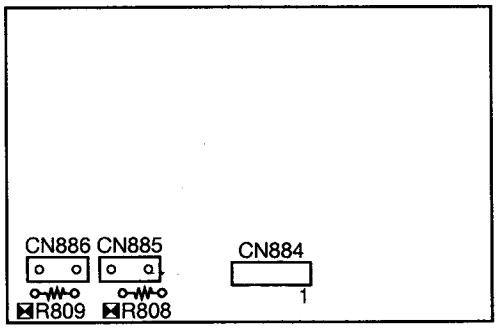
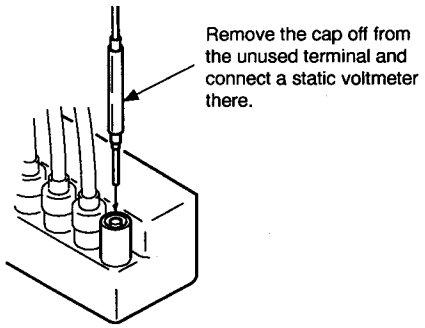
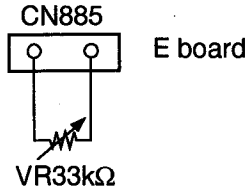
(2) Installation



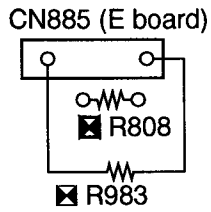
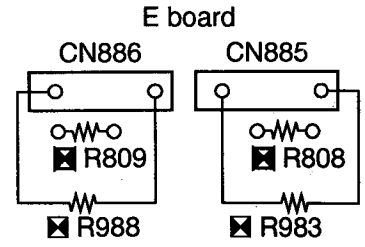
2-15. PICTURE TUBE REMOVAL

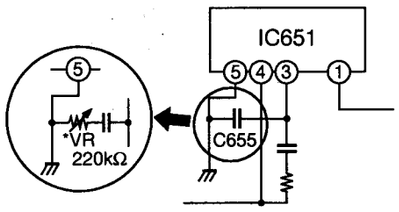
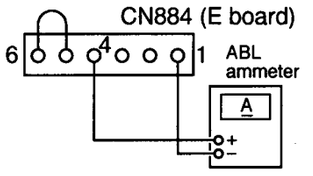


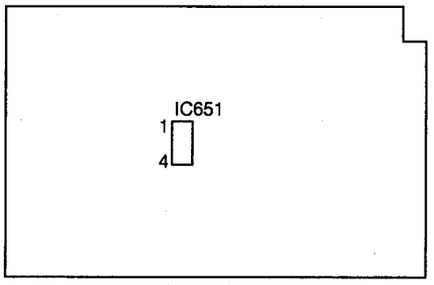
SECTION 3
SAFETY RELATED ADJUSTMENTS

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
HV HOLD DOWN CIRCUIT OPERATIONS CHECK AND ADJUSTMENT (*⊠ RESISTOR) When replacing the parts marked *◪ on the right, check the HV hold down and adjust.		*◪ marked parts C818, D804, D806, D809, D909, D912, Q915, R809, R855, R856, R857, R858, R954, R955, R983, R984, R988, R991, R995, R996, R998, T803, FBT, E board HV Block	*⊠ R809, R988	E BOARD – COMPONENT SIDE – 
1. Remove the cap for the unconnected pin in the *high-voltage block and connect a *Static Voltmeter meter. 2. Input 130 VAC power.	*Static Voltmeter	*HV Block		* 
3. Receive the *Dot siganl and set the *PICTURE and BRIGHTNESS settings to their minimums.	*Dot pattern		*PICTURE ..... minimum BRIGHTNESS ..... minimum	
4. Connect a *33 kΩ variable resistor across the E board *CN885 connector (with the variable resistor set to its maximum).				* 

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
5. Gradually lower the value of the variable resistor and check that the hold down circuit operates at a Static Voltmeter reading of *33.70 ± 0.80 kVDC and that the rasters disappear. 6. If the hold down circuit operates and the rasters disappear at a Static Voltmeter reading of *34.0 kVDC or higher, remove resistor *R809 and mount a *16.0 kΩ 1/4W RN at *R988. If the hold down circuit operates and the rasters disappear at a Static Voltmeter reading of *32.0 kVDC or lower, remove resistor R809 and mount *6.2 kΩ 1/4W RN at *R988. 7. Check Item 5 again.			*R988 *R988	*33.70 ± 0.80 kVDC *34.0 kVDC or higher *16.0 kΩ 1/4W *32.0 kVDC or lower *6.2 kΩ 1/4W * CN886 (E board) R809 R988
HV REGULATION CIRCUIT CHECK AND ADJUSTMENT (*⊠ RESISTOR) When replacing the parts marked *◪ on the right, check the HV regulation and adjust.		*◪ marked parts C918, C930, C934, C980, D902, D920, D925, Q909, R808, R851, R929, R936, R939, R942, R944, R945, R946, R947, R950, R960, R965, R967, R971, R975, R976, R982, R983, R985, R998 E Board HV Block *HV Block	*⊠ R808, R983	E BOARD – COMPONENT SIDE – CN886 CN885 CN884 ⊠R809 ⊠R808 1
1. Remove the cap for the unconnected pin in the *high-voltage block and connect a *Static Voltmeter. 2. Input 120 VAC power. 3. Receive the *Monoscope signal and set the *PICTURE and BRIGHTNESS settings to their maximum.	*Static Voltmeter *Monoscope pattern		*PICTURE ..... maximum BRIGHTNESS ..... maximum	*120.0 V AC

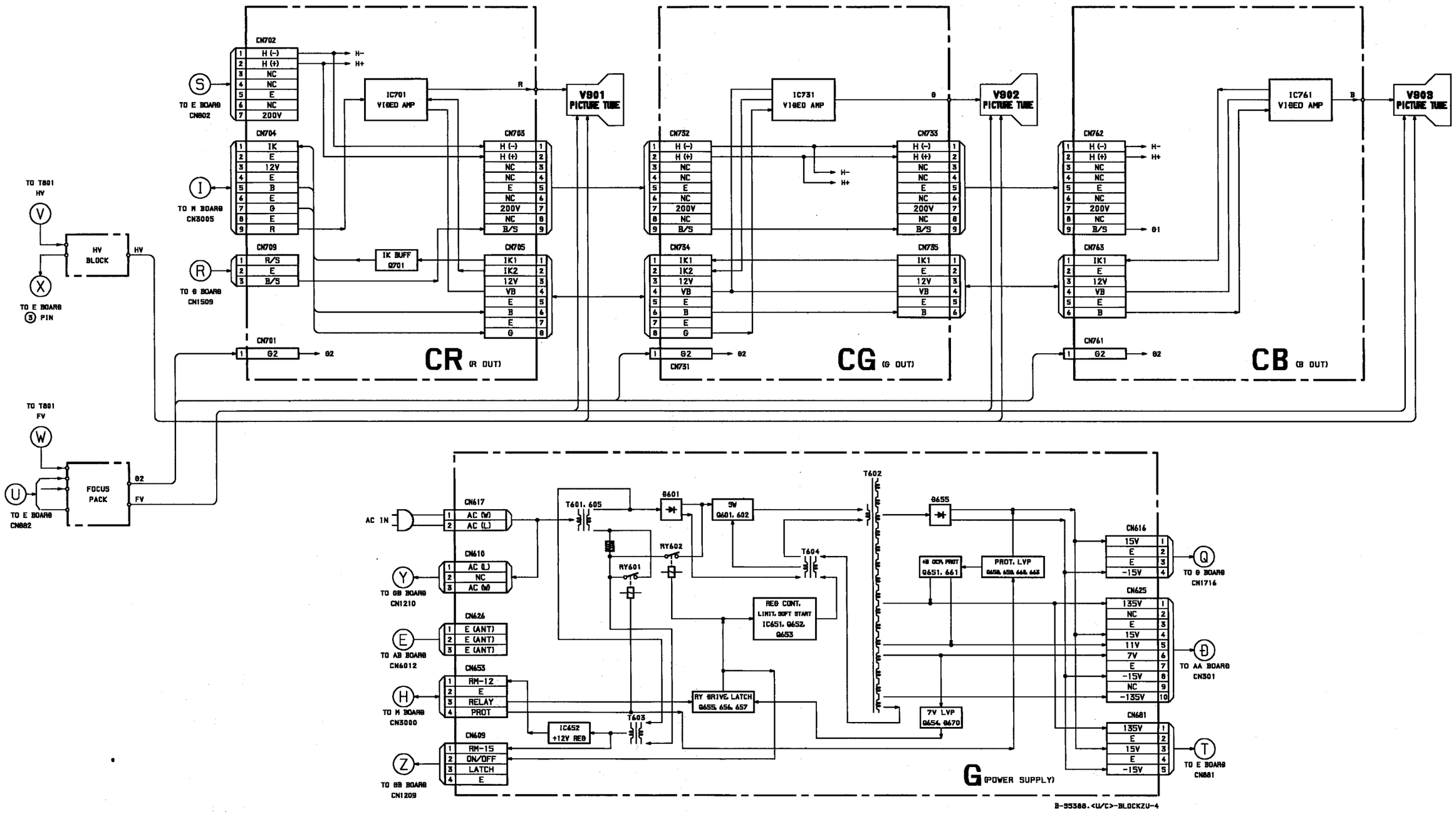
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
4. Check that the Static Voltmeter reading is *31.00 $^{+0.5}_{-0.7}$ kVDC. 5. If the Static Voltmeter reading is *30.5 kV or lower, remove resistor *R808 and mount *5.6 kΩ 1/4W RN at *R983. 6. If the Static Voltmeter reading is *31.4 KV or higher, remove resistor *R808 and mount *8.2 kΩ 1/4W RN at *R983. 7. If the Static Voltmeter reading is *32.0 kV or higher, remove resistor *R808 and mount *10.0 kΩ 1/4W RN at *R983. 8. If any of Items 5, 6 or 7 has been implemented, check Item 4 again.			*R983 *R983 *R983	*31.00 $^{+0.5}_{-0.7}$ kVDC *30.5 kV or lower *5.6 kΩ 1/4W *31.4 KV or higher *8.2 kΩ 1/4W *32.0 kV or higher *10.0 kΩ 1/4W * 
HV HOLD DOWN AND HV REGULATOR SIMPLE ADJUSTMENT It is normally desirable that the HV hold down and HV regulation checks use a high-voltage meter. However, sometime one is not available, for example in the field, below is a simple adjustment method. When replacing parts with the ◪ mark, replace both the resistors with the ⧓ mark *R808 (R988) and *R809 (R983) with resistors one rank lower in the E-12 series. Do not replace just one of these resistors! Always replace both with resistors one rank lower.			*R808 (R988) *R809 (R983)	* 

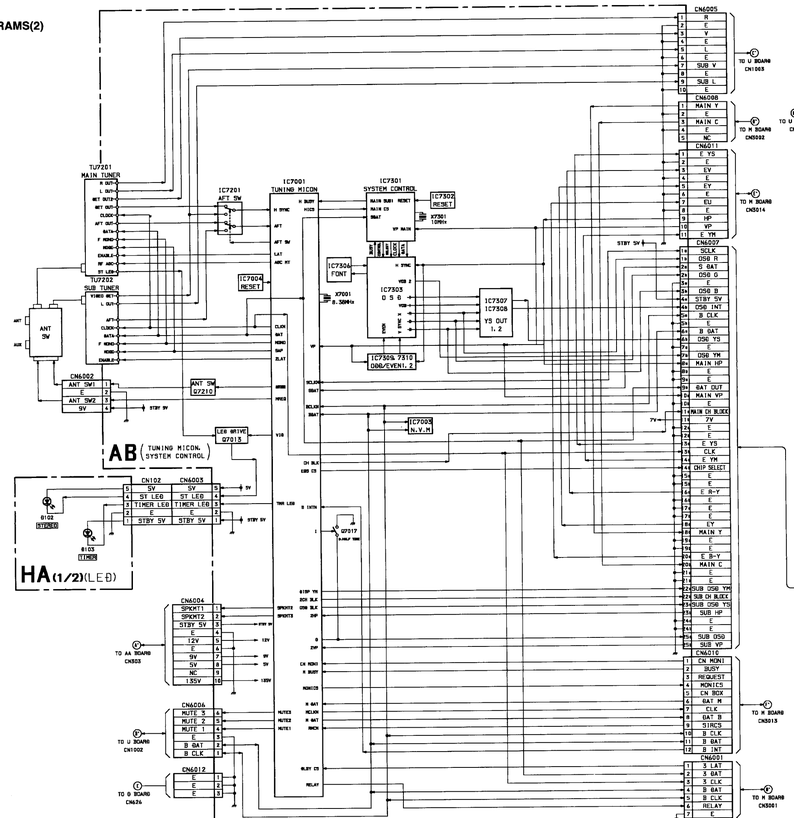
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
OVERVOLTAGE PROTECTION (OVP) OPERATIONS CHECK				
1. Connect a *220 kΩ variable resistance rheostat to the G board C655 (between Pins ③ and ⑤ of IC651).				* 
2. Input *120.0 ± 1.0 VAC, 60 Hz power.				*120.0 ± 1.0 VAC, 60 Hz
3. Receive the *Dot signal and set the *PICTURE and BRIGHTNESS settings to their minimums.	*Dot pattern		*PICTURE ..... minimum BRIGHTNESS ..... minimum	
4. Gradually lower the value of the connected variable resistance and check that when the +B line *voltage is *143.5 ± 5.5 VDC, the overvoltage circuit operates and the rasters disappear.	*Digital Multimeter			*143.5 ± 5.5 VDC
5. Remove the variable resistor and check the +B line voltage.				
BEAM CURRENT (Σik) PROTECTION CIRCUIT CHECK				
1. Connect the *ABL ammeter between *Pins ① and ④ of the CN884 on the E board. Have Pins ② and ③ open.	*Ammeter			* 
2. Input *120.0 ± 1.0 VAC, 60 Hz power.				*120.0 ± 1.0 VAC, 60 Hz
3. Receive a *monoscope signal and set the *PICTURE and BRIGHTNESS settings to their minimums.	*Monoscope pattern		*PICTURE ..... minimum BRIGHTNESS ..... minimum	

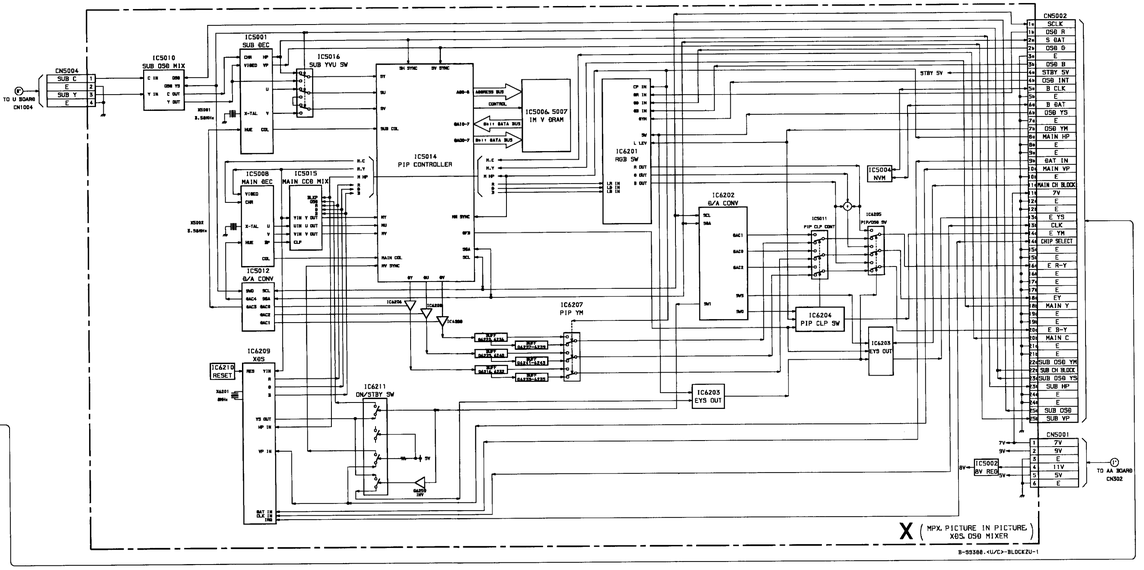
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
4. Gradually raise the *PICTURE and BRIGHTNESS settings and check that below an *ABL current of 3.35 mA (including dark current), the beam current protection circuit operates and the rasters disappear.			*PICTURE BRIGHTNESS	*Less than 3.35 mA
+B, +B MAX CHECK				E BOARD – COMPONENT SIDE –
When replacing the G board IC651, check the following.				
1. Input *120.0 ± 1.0 V, 60 Hz power.				*120.0 ± 1.0 V, 60 Hz
2. Receive the *Dot signal and set the *PICTURE and BRIGHTNESS settings to their minimums.	*Dot pattern		*PICTURE ..... minimum BRIGHTNESS ..... minimum	
3. Check that the *+B line voltage is now *135.0 ± 2.0 VDC.		*CN681 pin ①		*135.0 ± 2.0 VDC
4. Set the power supply to *130.0 $^{+2.0}_{-0}$VAC.				*130.0 $^{+2.0}_{-0}$VAC
5. Check that the *+B line voltage is *137.0 VDC max.		*CN681 pin ①		*Less than 137.0 VDC
6. If either 3 or 5 is not satisfied, replace IC651 again.				

SECTION 4
DIAGRAMS

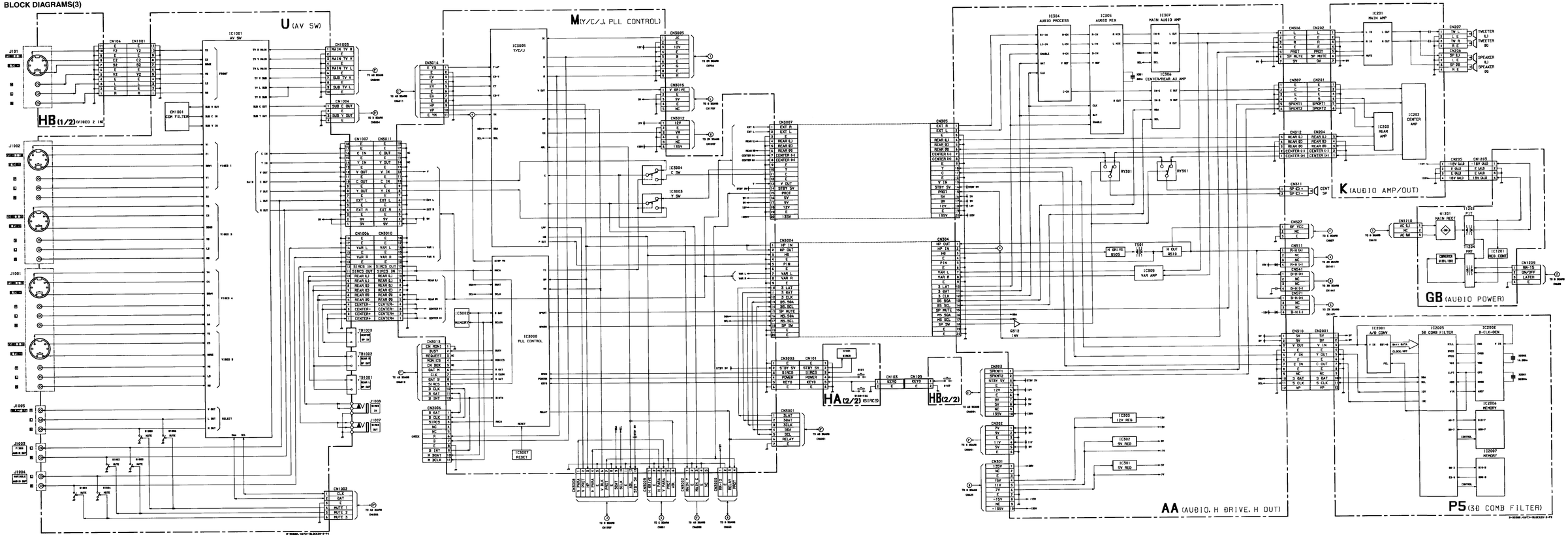
4-1. BLOCK DIAGRAMS(1)



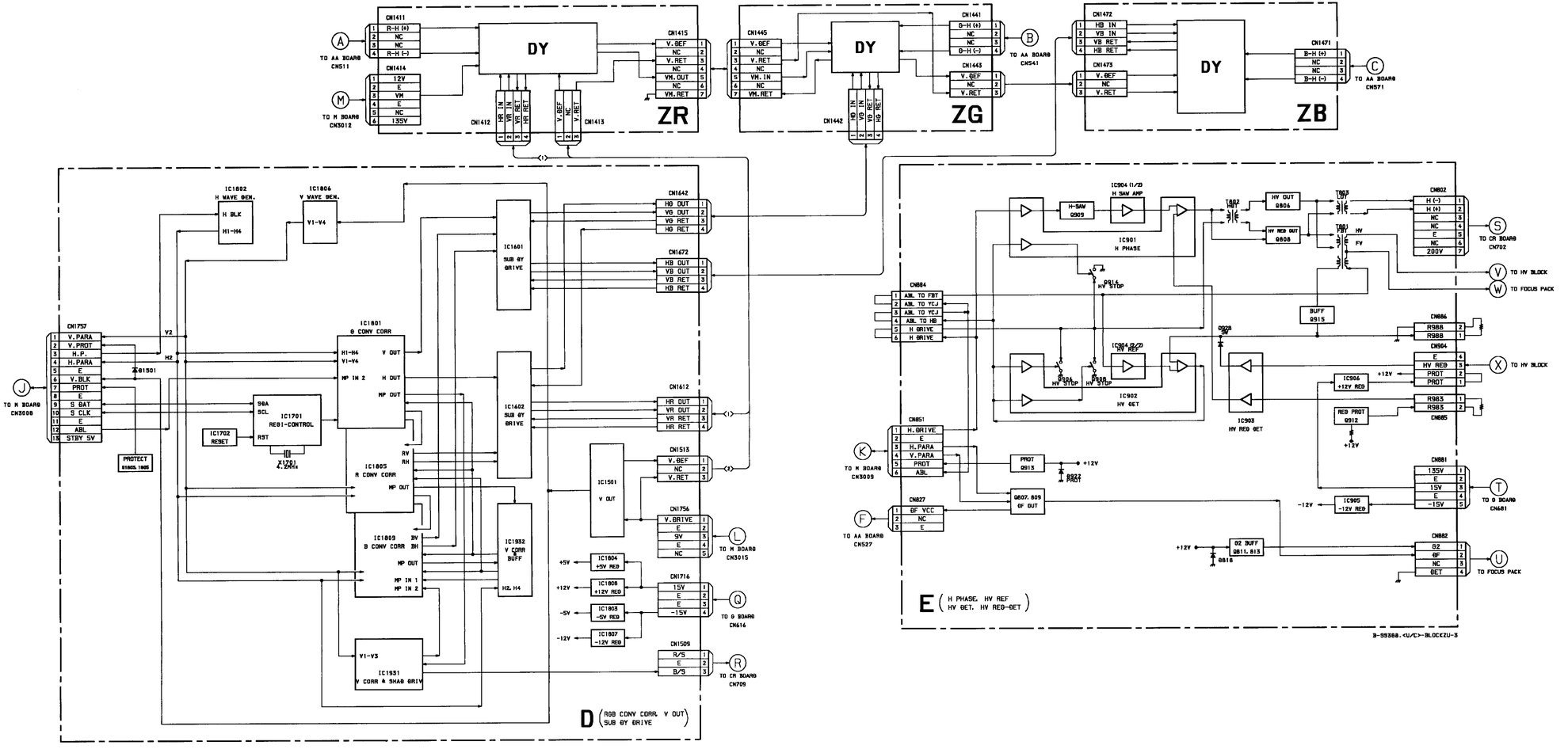

TU7201
MAIN TUNER
TU7202
SUB TUNER
ANT SW
IC7291
AFT SW
IC7001
TUNING MICON
IC7301
SYSTEM CONTROL
IC7302
RESET
IC7304
FONT
IC7303
OSD
IC7307
IC7308
Y5 OUT 1, 2
IC7004
RESET
IC7009
N.V.M
CN6005
CN6008
CN6011
CN6007
CN6002
CN102
CN6003
CN6004
CN6006
CN6012
CN6001
CN601C
AB (TUNING MICON, SYSTEM CONTROL)
HA(1/2)(LED)
TO U BOARD CN1003
TO M BOARD CN3032
TO M BOARD CN3014
TO M BOARD CN3013
TO M BOARD CN3001
TO AA BOARD CN303
TO U BOARD CN1002
TO B BOARD CN626


CN5004
SUB C
SUB Y
TO U BOARD CN1004
IC5010
SUB OSD MIX
IC5001
SUB OEC
IC5016
SUB YVU SW
IC5006, 5007
1M V GRAM
IC5014
PIP CONTROLLER
IC5008
MAIN OEC
IC5015
MAIN CCD MIX
IC5012
A/D CONV
IC6201
RGB SW
IC6202
A/D CONV
IC6204
PIP CLP SW
IC6205
EYS OUT
IC6207
PIP YM
IC6209
XBS
IC6210
RESET
IC6211
ON/STBY SW
IC5004
NVM
CN5002
CN5001
IC5002
8V REG
STBY 5V
X (MPX PICTURE IN PICTURE, XBS OSD MIXER)

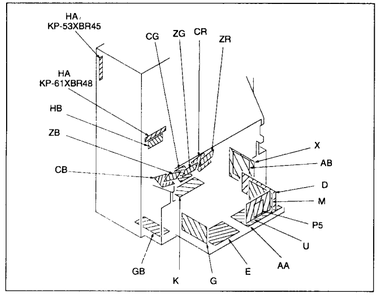
BLOCK DIAGRAMS(3)



BLOCK DIAGRAMS(4)



4-2. CIRCUIT BOARDS LOCATION



4-3. PRINTED WRING BOARDS AND SCHEMATIC DIAGRAMS

Note:

- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All electrolytics are in 50V unless otherwise specified.
- All resistors are in ohms.
  kΩ=1000Ω, MΩ=1000kΩ
- Indication of resistance, which dose not have one for rating electrical power, is as follows.

Pitch : 5mm
Rating electrical power : 1/4 W

- : nonflammable resistor.
- : fusible resistor.
- # mark parts are not mount.
- △ : internal component.
- [ ] : panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by ⊠ in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.
  Should replacement be required, replace only with the value originally used.
- When replacing components identified by ◪ , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by ⊠ and repeat the adjustment until the specified value is achieved. (Refer to R808,R809,R983 and R988 adjustment on Page 30 – 34.)
- When replacing the part in below table, be sure to perform the related adjustment.

Part replaced (◪)	Adjustment (⊠)
HVBlock Q915, D804, D806, D809, D909, D912, C818, R809, R855, R856, R857, R858, R954, R955, R983, R984, R988, R991, R995, R996, R998, T801(FBT), T803 .....E BOARD	HV HOLD-DOWN (R809, R988)
HV Block, Q909, D902, D920, D925, C918, C930, C934, C980, R808, R851, R929, R936, R939, R942, R944, R945, R946, R947, R950, R965, R967, R971, R975, R976, R982, R983, R985, R998.....E BOARD	HV Reagurator (R808, R983)

- As to the voltage volue shown by the semiconductors on the Shematic Diagram, see the another list
- Readings are taken with a color-bar signal input.
- Readings are taken with a 10MΩ digital multimeter.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
  * : Measurement impossibillity.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: ※	ADJUSTMENT RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

Note: The symbol ⊟ display is on the component side.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

The symbol ⊟ indicate fast operating fuse. Replace only with fuse of same rating as maked.

Note: Les composants identifiés par un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

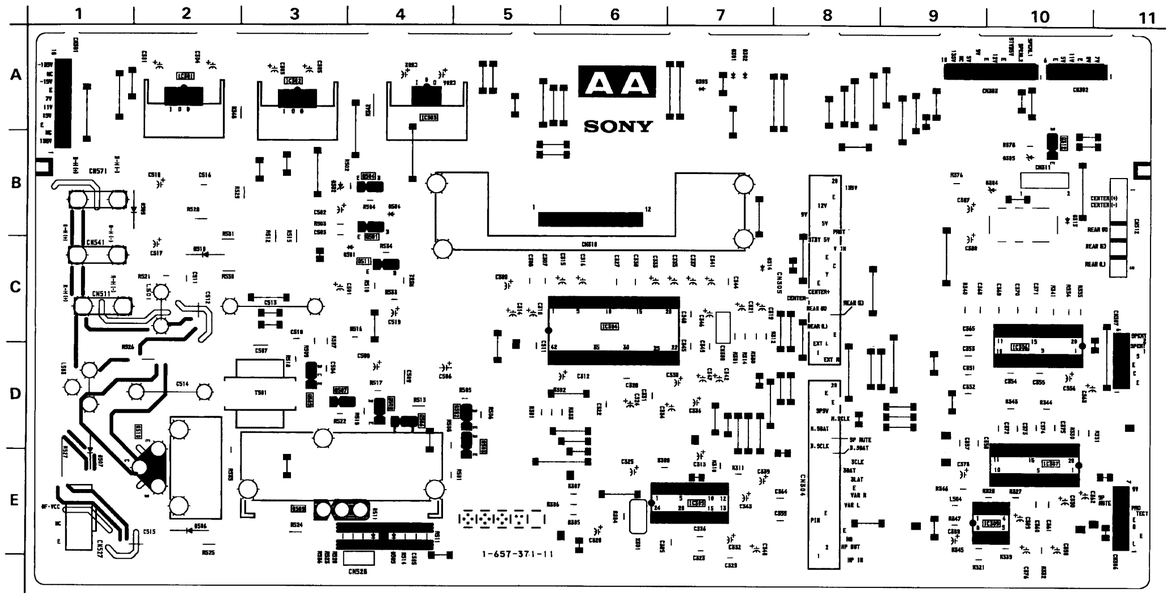
Le symbole ⊟ indique une fusible a action rapide. Doit etre remplacee par une fusible de meme yaleur, comme maque.

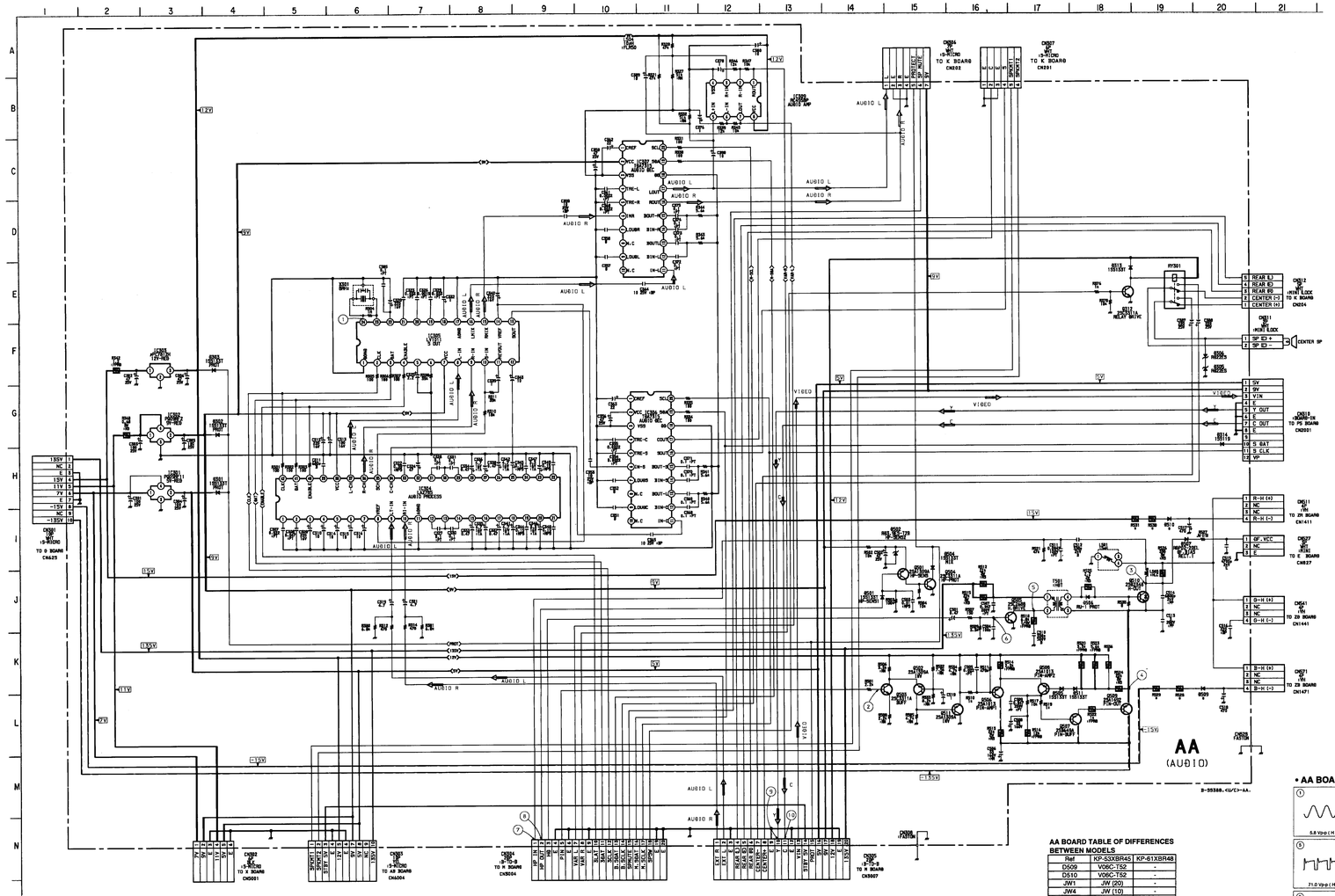
AA [AUDIO]

– AA BOARD –

AA BOARD LOCATION

IC	
IC301	A-2
IC302	A-3
IC303	A-4
IC304	C-6
IC305	E-7
IC306	C-10
IC307	E-10
IC309	E-10
TRANSISTOR	
Q312	B-10
Q501	B-4
Q502	D-5
Q503	D-5
Q504	B-4
Q505	D-3
Q506	D-4
Q507	D-3
Q508	D-4
Q509	E-3
Q510	D-2
Q511	C-4
DIODE	
D301	A-7
D302	A-7
D303	A-7
D304	B-9
D305	B-10
D313	B-10
D314	C-7
D501	C-3
D502	B-3
D504	B-4
D505	E-4
D506	E-2
D507	D-1
D509	B-1
D510	C-2
D511	E-4





AA BOARD IC VOLTAGE LIST

	Pin	Volt		Pin	Volt
IC301	1	7.5		11	4.8
	2	5.3		12	4.7
	3	E		13	4.7
	4	7.5		14	4.8
IC302	1	10.5		15	4.7
	2	9.4		16	4.8
	3	E		17	E
	4	10.5		18	4.8
IC303	1	15.2		19	4.8
	2	E		20	4.8
	3	12.5		21	4.8
IC304	1	4.8		22	5.0
	2	4.8		23	2.5
	3	4.7		24	2.3
	4	4.7	IC306	1	4.7
	5	4.7		2	9.3
	6	4.7		3	E
	7	4.7		4	4.7
	8	4.7		5	4.7
	9	4.7		6	4.7
	10	4.7		7	4.7
	11	E		8	NC
	12	4.7		9	4.7
	13	4.8		10	NC
	14	4.7		11	4.7
	15	4.7		12	4.7
	16	5.5		13	4.7
	17	4.7		14	4.7
	18	5.5		15	4.7
	19	4.7		16	4.7
	20	4.7		17	4.7
	21	4.7		18	E
	22	5.0		19	4.9
	23	5.1		20	4.8
	24	5.1	IC307	1	4.7
	25	5.5		2	9.4
	26	4.7		3	E
	27	4.9		4	4.7
	28	4.7		5	4.7
	29	4.7		6	4.7
	30	4.7		7	4.7
	31	4.7		8	NC
	32	4.7		9	4.7
	33	4.7		10	NC
	34	4.7		11	4.7
	35	4.7		12	4.7
	36	4.7		13	4.7
	37	4.7		14	4.7
	38	9.4		15	4.7
	39	0.2		16	4.7
	40	5.1		17	4.7
	41	3.7		18	E
	42	4.2		19	5.1
IC305	1	E		20	5.1
	2	4.2	IC309	1	6.5
	3	3.8		2	6.5
	4	5.1		3	6.5
	5	2.3		4	E
	6	0.9		5	6.5
	7	3.3		6	6.5
	8	4.7		7	6.5
	9	4.7		8	12.4
	10	4.8			

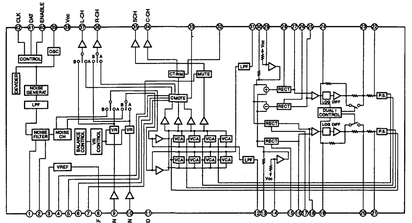
ALL VOLTAGES ARE IN V
Pin numbers which are not described are not used.

AA BOARD TRANSISTOR VOLTAGE LIST

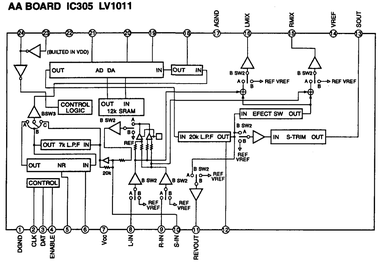
	B	C	E
Q312	0.2	12.4	E
Q501	4.5	0	3.2
Q502	6.6	2.0	7.2
Q503	3.4	7.2	2.7
Q504	0	5.8	E
Q505	-0.6	30.2	E
Q506	2.7	-61.4	3.2
Q507	-106.3	-141.5	-111.1
Q508	2.7	-138.3	3.2
Q509	-110.0	-141.5	109.8
Q510	-109.9	-0.3	-109.7
Q511	0.0	E	2.7

ALL VOLTAGES ARE IN V

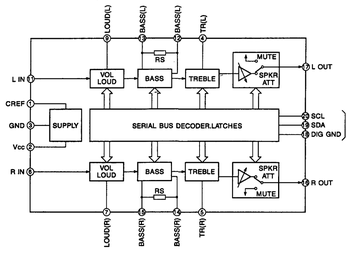
AA BOARD IC304 LA2785



AA BOARD IC305 LV1011



AA BOARD IC306,307 TDA7315

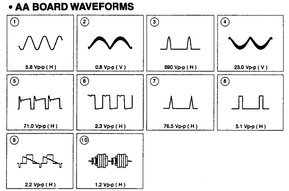


AA BOARD TABLE OF DIFFERENCES BETWEEN MODELS

Ref	KP-53XBR4S	KP-61XBR4B
D509	V06C-T52	-
D510	V06C-T52	-
JW1	JW (20)	-
JW4	JW (10)	-
R528	270 3W	-
R529	270 3W	-
R530	270 3W	-
R531	270 3W	-

< : Not mount

• AA BOARD WAVEFORMS



AB BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q7001	0	5.1	5.2
Q7002	5.2	-1.5	5.2
Q7003	5.2	0.2	5.2
Q7004	5.3	*	5.2
Q7013	1.0	5.0	0.3
Q7017	0	0	E
Q7022	1.5	0.8	2.1
Q7023	1.5	0.8	2.1
Q7024	1.5	0.8	2.1
Q7025	5.2	E	5.2
Q7026	10.4	0	10.4
Q7027	0.4	5.2	0.2
Q7201	0	2.8	E
Q7203	4.6	E	5.2
Q7204	5.2	E	5.7
Q7205	4.9	1.1	5.6
Q7206	5.3	1.2	6.1
Q7207	9.7	E	4.5
Q7210	0	3.8	E
Q7301	1.5	4.6	4.1
Q7303	0.2	4.2	E
Q7401	7.3	0	7.4
Q7531	0.3	5.2	0
Q7532	0.9	5.2	0.6

ALL VOLTAGES ARE IN V

AB BOARD IC VOLTAGE LIST

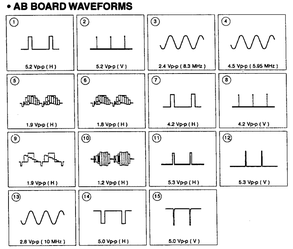
IC7001	Pin	Volt
	1	0.5
	2	0.2
	3	5.2
	4	4.6
	5	5.2
	6	4.7
	7	3.6
	8	5.0
	9	5.1
	10	0
	11	0
	12	4.2
	13	0.7
	14	3.7
	15	4.1
	16	0
	17	0
	18	0
	19	5.2
	20	0
	21	0
	22	0
	23	0
	24	0.2
	25	4.5
	26	5.0
	27	5.2
	28	0
	29	5.0
	30	4.6
	31	5.1
	32	E
	33	0.2
	34	2.7
	35	2.4
	36	5.0
	37	0
	38	0
	39	*
	40	0
	41	0
	42	1.1
	43	5.2
	44	5.2
	45	2.9
	46	2.9
	47	0
	48	0
	49	0
	50	0
	51	0
	52	0
	53	5.0
	54	5.0
	55	5.1
	56	5.1
	57	0
	58	0.2
	59	0.2
	60	0.2
	61	E
	62	E
	63	5.2
	64	5.2
IC7003	1	E
	2	5.2
	3	5.2
	4	E
	5	5.1
	6	5.1

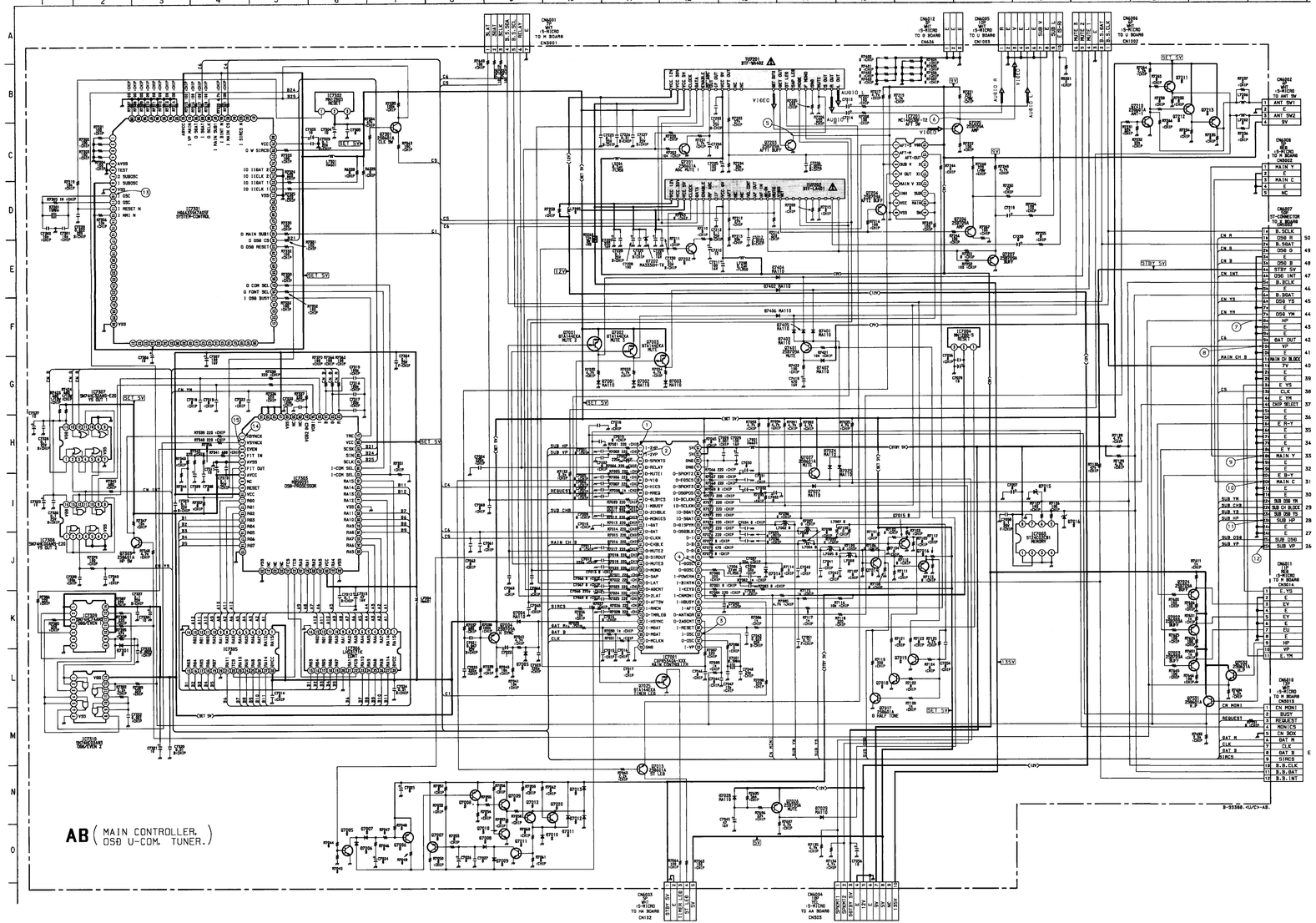
	Pin	Volt
	7	E
	8	5.2
IC7004	1	5.2
	2	5.2
	3	*
IC7201	4	*
	5	2.9
	6	*
	7	E
	8	E
	9	4.5
	10	4.5
	11	4.5
	15	*
IC7301	16	5.2
	1	0
	2	0
	3	0
	4	0
	5	E
	6	E
	7	NC
	8	5.2
	9	E
	10	2.4
	11	2.5
	12	5.2
	13	5.2
	30	E
	34	5.2
	42	0.9
	43	1.2
	44	1.2
	45	0
	46	5.2
	47	4.0
	48	5.1
	49	2.0
	50	5.2
	51	5.2
	52	0
	53	0
	54	0
	55	0
	56	0
	57	0
	60	E
	61	5.2
	62	5.2
	63	5.2
	64	5.2
IC7306	1	1.2
	2	0.3
	3	1.2
	4	1.2
	5	1.2
	6	2.0
	7	2.0
	8	2.0
	9	2.0
	10	2.6
	11	2.6
	12	2.5
	13	2.7
	14	E
	15	2.7
	16	2.7
	17	2.7

	Pin	Volt
	18	2.7
	19	2.6
	20	E
	21	1.2
	22	3.2
	23	4.4
	24	1.3
	25	1.2
	26	0.9
	27	1.2
	28	5.2
IC7307	1	0
	2	4.2
	3	4.3
	4	4.3
	5	0
	6	4.3
	7	E
	8	NC
	9	E
	10	E
	11	0
	12	0
	13	0
	14	4.3
IC7308	1	4.3
	2	4.3
	3	0
	4	E
	5	E
	6	NC
	7	E
	8	4.3
	9	0
	10	4.3
	11	4.2
IC7309	1	5.2
	2	2.3
	3	0.3
	4	5.2
	5	2.6
	6	NC
	7	E
	8	NC
	9	2.3
	10	5.2
	11	0.7
	12	5.2
	13	5.2
	14	5.2
IC7310	1	2.3
	2	5.2
	3	0.3
	4	0.3
	5	0.3
	6	5.0
	7	NC
	8	0.3
	9	5.0
	10	5.0
	11	5.0
	12	0.2
	13	0.2
	14	5.2

ALL VOLTAGES ARE IN V
Pin numbers which are not described are not used.

• AB BOARD WAVEFORMS

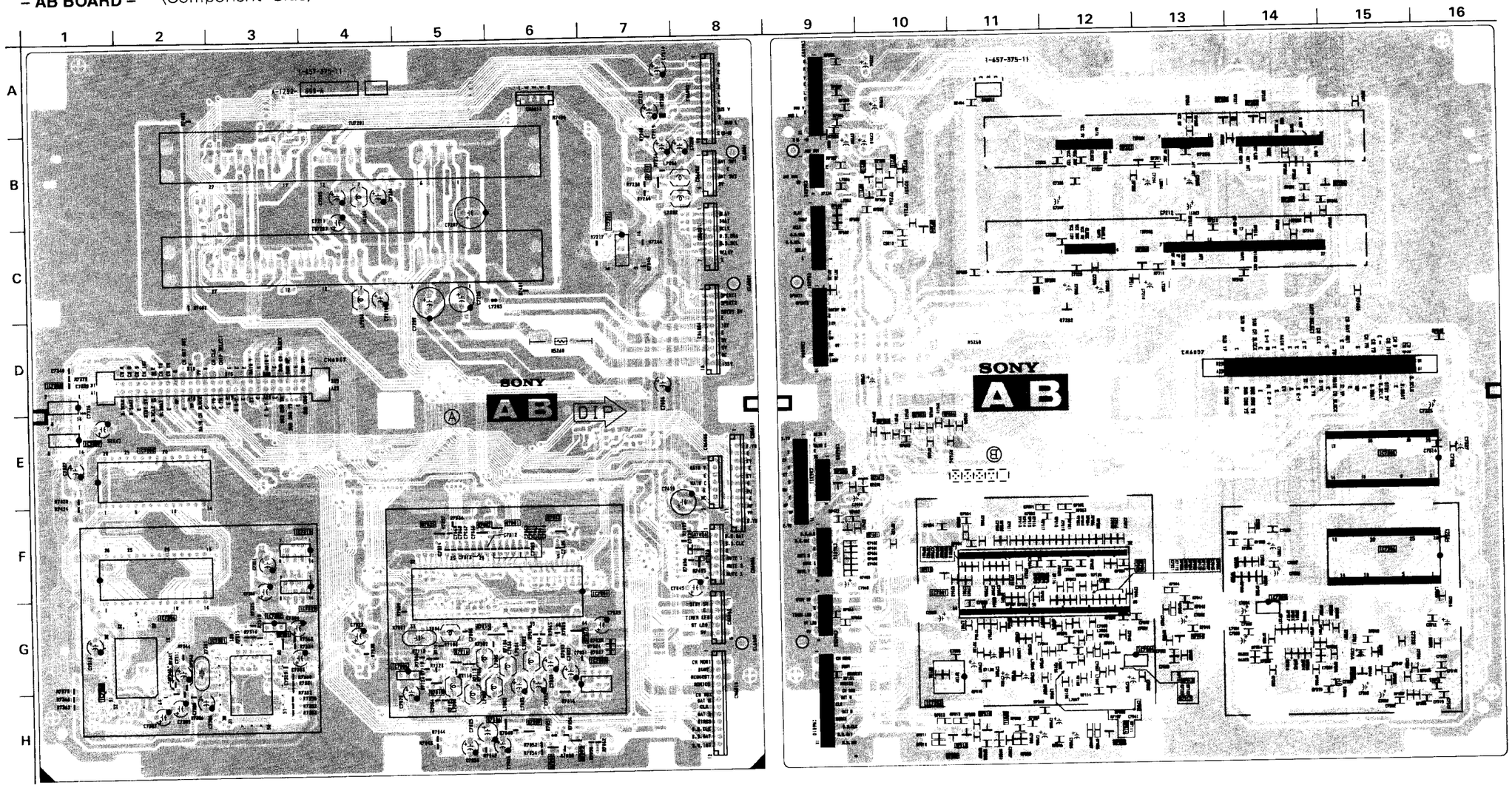




AB [MAIN CONTOLLER, OSD U-CON,TUNER.]

– AB BOARD – 〈Component Side〉

〈Conductor Side〉



AB BOARD LOCATION

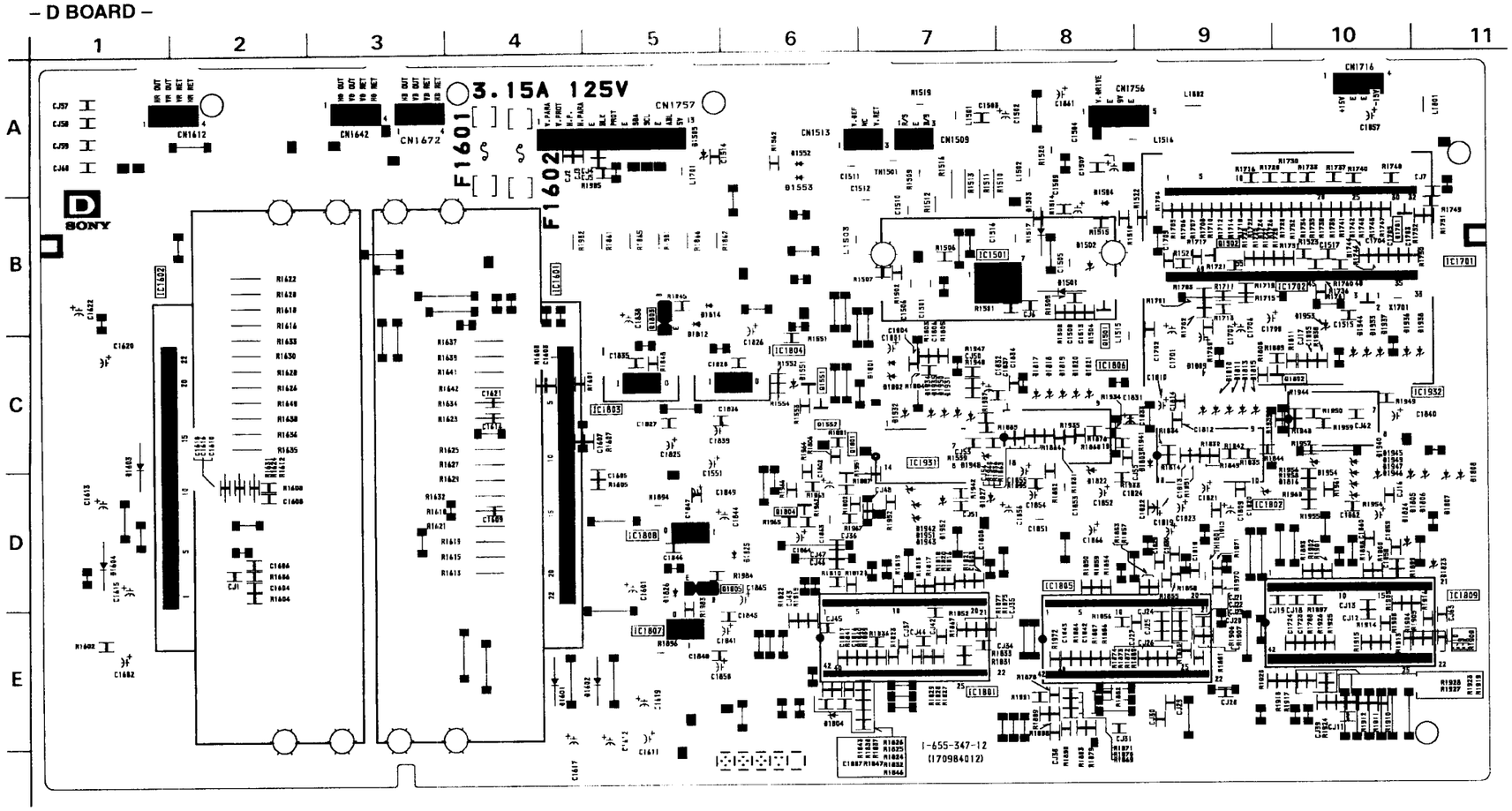
IC	
IC7001	F 5, F 11
IC7003	G 7, G 10
IC7004	G 5, G 12
IC7201	C 7
IC7301	G 3
IC7302	G-3, G 14
IC7303	G 2
IC7306	F 2, F 15
IC7307	E 1
IC7308	D 1
IC7309	F 3
IC7310	F 3
TRANSISTOR	
Q7001	F 6
Q7002	F 5
Q7003	F 6
Q7004	G 13
Q7013	F 10
Q7017	H 12
Q7022	E 10
Q7023	E 10
Q7024	E 10
Q7025	F 5
Q7026	F 8
Q7027	G 6
Q7201	B 13
Q7203	A 14
Q7204	C 10
Q7205	A 13
Q7206	B 15
Q7207	B 14
Q7210	B 10
Q7301	G 3
Q7303	G 15
Q7401	F 9
Q7531	E 9
Q7532	E 9
DIODE	
D7001	F 11
D7002	F 12
D7003	F 11
D7004	G 13
D7024	G 7
D7025	G 7
D7027	G 7
D7028	F 8
D7029	F 8
D7202	D 12
D7401	F 9
D7402	F 9
D7403	F 9
D7404	F 9
D7405	F 9
D7406	F 9
D7407	F 9

Note :

• [redacted] : Pattern of the rear side.

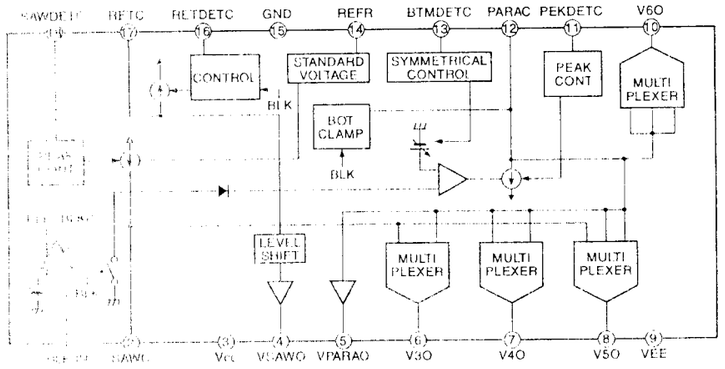
D RGB CONV, V OUT, SUB DY DRIVE, H/V WAVE GEN, REGI CONTROL

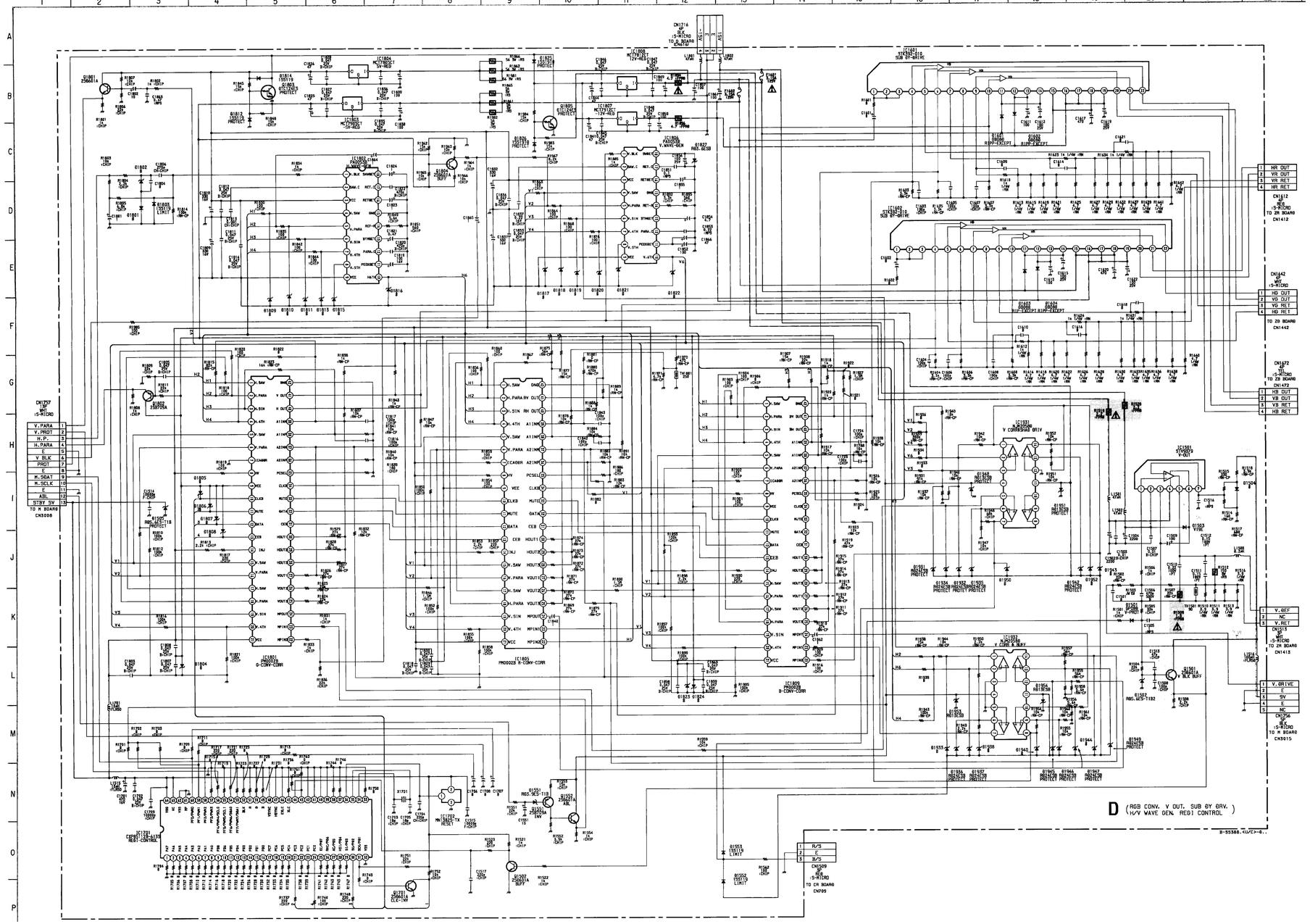
– D BOARD –



D BOARD LOCATION	
IC	
IC1501	B-7
IC1601	C-4
IC1602	C-1
IC1701	B-10
IC1702	B-10
IC1801	E-7
IC1802	C-9
IC1803	C-5
IC1804	C-6
IC1805	E-8
IC1806	C-8
IC1807	E-5
IC1808	D-5
IC1809	D-10
IC1931	C-7
IC1932	C-10
TRANSISTOR	
Q1501	B-8
Q1502	B-9
Q1551	C-6
Q1552	C-6
Q1701	B-10
Q1801	C-6
Q1802	C-9
Q1803	B-5
Q1804	D-6
Q1805	D-5
DIODE	
D1501	B-8
D1502	B-8
D1503	B-8
D1505	A-5
D1551	C-6
D1552	A-6
D1553	A-6
D1601	E-4
D1602	E-5
D1603	C-1
D1604	C-1
D1803	C-9
D1812	B-5
D1814	B-5
D1825	D-6
D1826	D-5
D1827	D-7
D1931	C-7
D1932	C-7
D1934	C-7
D1935	C-7
D1936	C-10
D1937	C-10
D1942	D-7
D1945	C-10
D1946	D-10
D1947	D-10
D1948	C-7
D1949	C-10
D1951	D-7
D1953	B-10
D1954	C-10

D BOARD IC1802 PA0053B





D BOARD IC VOLTAGE LIST

	Pin	Volt	Pin	Volt		Pin	Volt		Pin	Volt
IC1501	1	1.5	47	E		17	1.3		3	E
	2	15.0	48	E		18	-1.6	IC1808	1	12.0
	3	-13.8	54	4.7	IC1803	1	-5.0		2	E
	4	-15.0	55	NC		2	-15.0		3	15.0
	5	0.3	56	4.6		3	E	IC1809	1	C
	6	15.0	61	E	IC1804	1	5.0		2	-0.9
	7	1.5	62	E		2	E		3	0.3
IC1601	1	-13.3	63	5.0		3	15.0		4	-1.0
	2	-13.3	64	5.0	IC1805	1	0		5	C
	3	-13.3	IC1702	1	5.2	2	-0.9		6	-0.4
	4	0		2	5.0	3	0.2		7	5.0
	5	0		3	E	4	-1.1		8	5.3
	6	0.4	IC1801	1	0	5	0		9	5.0
	7	0.4		2	-0.9	6	-0.4		10	3.3
	8	E		3	0	7	5.1		11	5.3
	9	0		4	-1.1	8	5.2		12	0.7
	10	0		5	0	9	-5.0		13	3.3
	11	14.2		6	-0.4	10	3.4		14	-2.0
	12	-14.3		7	E	11	5.2		15	C
	13	-14.3		8	5.2	12	0.7		16	-0.9
	14	14.2		9	5.0	13	3.2		17	C
	15	15.0		10	3.4	14	-2.1		18	-0.9
	16	-15.0		11	5.1	15	0		19	C
	17	-15.0		12	0.7	16	-0.9		20	-0.5
	18	15.0		13	3.2	17	0		21	5.2
	19	-15.0		14	-2.1	18	-0.9		22	E
	20	0		15	0	19	0		23	0.7
	21	0		16	-0.9	20	-0.5		24	C
	22	0		17	0	21	5.0		25	C
IC1602	1	-13.3		18	-0.9	22	0		26	C
	2	-13.3		19	0	23	0		27	C
	3	-13.3		20	-0.5	24	0		28	C
	4	0.2		21	5.0	25	0.4		29	C
	5	0.2		22	0	26	0		30	0.9
	6	-0.1		23	1.5	27	0		35	C
	7	-0.1		24	0	28	0		36	C
	8	E		25	0	29	0		37	C
	9	-0.5		26	0	30	1.1		38	C
	10	-0.5		27	0	31	3.2		39	C
	11	14.2		28	0	32	0.7		40	0.9
	12	-14.3		29	0	33	5.1		41	C
	13	-14.3		30	0	34	3.4		42	E
	14	14.2		31	3.2	35	0	IC1901	1	C
	15	15.0		32	0.7	36	0		2	C
	16	-15.0		33	5.2	37	0		3	C
	17	-15.0		34	3.4	38	0		4	12.0
	18	15.0		35	0	39	0		5	C
	19	-15.0		36	0	40	-0.5		6	C
	20	-0.2		37	0	41	-0.1		7	0.9
	21	-0.9		38	0	42	E		11	-12.0
	22	0.3		39	0	IC1806	1	0.2	12	E
IC1701	21	5.1		40	0.2		2	1.3	13	C
	24	5.1		41	0		3	5.0	14	C
	30	0.2		43	E		4	0	IC1932	1
	31	0.2	IC1802	1	0.8		5	-0.9		2
	32	E		2	1.2		6	0		3
	33	NC		3	5.0		7	-1.0		4
	34	2.7		4	0		8	0		5
	35	2.5		5	-0.9		9	-5.0		6
	36	5.2		6	0		10	0.3		7
	37	NC		7	-1.1		11	0.6		8
	38	NC		8	0		12	-0.9		9
	39	0		9	-5.0		13	0.4		10
	40	0		10	0.3		14	1.3		11
	41	0		11	0.6		15	E		12
	42	0		12	-0.9		16	-1.5		13
	43	0		13	0.4		17	1.3		14
	44	5.1		14	1.3		18	-1.6		
	45	NC		15	E	IC1807	1	-12.0		
	46	E		16	-1.7		2	-15.0		

ALL VOLTAGES ARE IN V

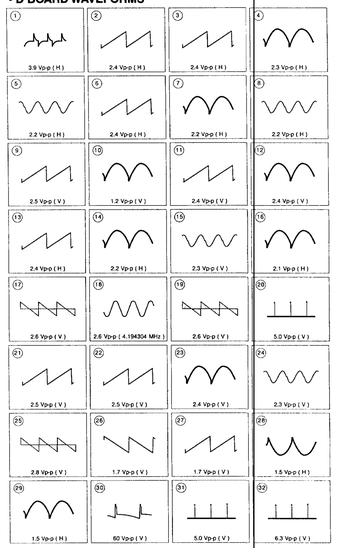
Pin numbers which are not described are not used.

D BOARD TRANSISTOR VOLTAGE LIST

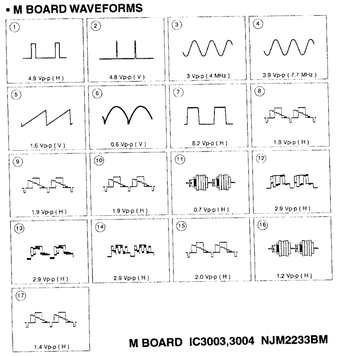
	B	C	E
Q1501	-0.5	9.0	0.2
	0.2	5.1	E
Q1551	3.4	2.1	4.0
Q1552	2.1	12.0	1.5
Q1701	0.3	3.5	E
Q1801	3.2	5.0	2.6
Q1802	-3.1	-5.0	-2.5
Q1803	0	4.8	E
Q1804	-0.9	0	-0.3
Q1805	0	4.8	E

ALL VOLTAGES ARE IN V

• D BOARD WAVEFORMS



• M BOARD WAVEFORMS



M BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q3000	6.1	5.0	5.2
Q3001	5.2	0	5.2
Q3002	5.2	1.9	E
Q3003	0	5.2	2.2
Q3004	5.2	0.2	2.0
Q3005	0	5.4	E
Q3006	5.2	1.8	0.2
Q3013	4.9	8.8	4.2
Q3014	4.9	8.8	4.2
Q3015	3.9	E	2.6
Q3016	2.0	E	2.6
Q3017	1.9	E	2.6
Q3018	1.8	E	2.4
Q3019	9.2	0.2	9.2
Q3020	4.9	E	5.6
Q3021	0.8	0.2	E
Q3022	9	7.7	E
Q3023	5.9	E	6.5
Q3024	6.5	9.2	5.8
Q3025	7.1	8.8	6.5
Q3026	4.5	5.3	5.3
Q3027	0.8	0.3	E
Q3028	7.2	9.2	6.6
Q3029	2.2	7.8	1.6
Q3030	0.4	9.2	1.0
Q3031	11.5	6.3	0.9
Q3032	11.6	0.8	11.7
Q3033	6.3	9.2	5.1
Q3038	7.8	3.9	8.4
Q3043	1.4	5.8	0.8
Q3045	0	0.4	E
Q3046	1.9	6.2	1.2
Q3048	6.2	9.2	5.6
Q3049	0	9.2	E
Q3050	4.9	9.2	4.2
Q3051	5.5	6.5	2.6
Q3052	1.8	E	2.5
Q3053	2.0	E	2.6
Q3054	5.2	8.8	4.6
Q3055	4.6	8.9	4.0
Q3056	6.3	8.7	5.7
Q3057	2.2	E	2.6
Q3058	2.2	E	2.8
Q3059	0.1	E	2.9

ALL VOLTAGES ARE IN V

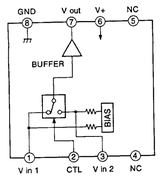
M BOARD IC VOLTAGE LIST

Pin	Volt		Pin	Volt
IC3000 1	0.9		7	4.9
2	0.3		8	E
3	4.9	IC3004	1	3.5
4	5.2		2	5.0
5	0		3	5.7
6	5.2		4	E
7	5.1		6	9.2
8	1.5		7	4.9
9	0		8	E
10	0	IC3005	1	4.5
18	0		2	7.2
19	0.2		3	6.4
26	5.0		4	E
29	4.6		5	4.1
30	5.0		6	5.8
31	5.1		7	2.7
32	E		8	9.2
33	4.3		9	0
34	2.7		10	0
35	*		11	0
36	5.2		12	5.8
41	5.2		13	6.5
42	5.2		14	6.5
43	5.2		15	E
44	5.3		22	1.8
45	3.1		23	1.9
46	3.1		24	2.0
52	0		25	6.5
53	4.6		26	2.6
54	4.6		27	1.8
55	4.6		28	7.7
56	4.6		30	3.1
61	E		31	3.4
62	E		32	3.1
64	5.2		33	3.4
64	5.2		34	E
IC3001 1	11.6		35	4.8
2	5.2		36	5.3
3	E		37	3.9
4	5.6		38	E
IC3002 1	E		39	2.7
2	E		40	4.4
3	E		41	3.6
4	E		42	4.1
5	4.8		43	3.5
6	0.2		44	0
7	E		45	3.8
8	5.2		46	9.2
IC3003 1	3.5		47	4.8
2	5.0		48	4.9
3	5.7	IC3007	1	5.3
4	E		2	5.2
6	9.2		3	E

ALL VOLTAGES ARE IN V

Pin numbers which are not described are not used.

M BOARD IC3003,3004 NJM2233BM

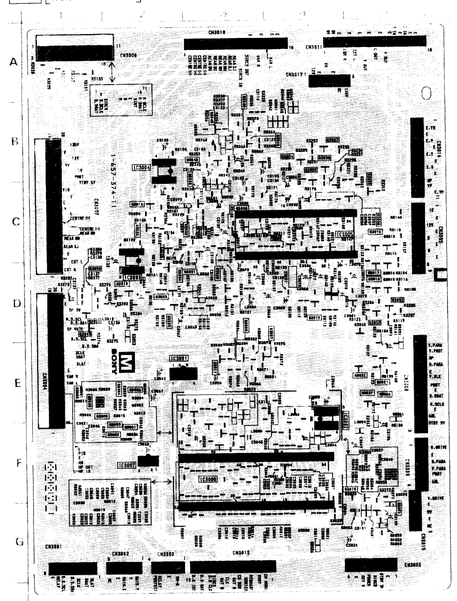


M BOARD LOCATION

IC	
IC3001	F-3
IC3001	E-2
IC3002	E-4
IC3003	C-3
IC3004	B-2
IC3005	C-4
IC3007	F-2
TRANSISTOR	
Q3000	E-3
Q3001	F-3
Q3002	F-3
Q3003	E-3
Q3004	E-3
Q3005	E-3
Q3006	E-3
Q3013	C-2
Q3014	C-2
Q3015	D-4
Q3016	D-5
Q3017	D-5
Q3018	D-5
Q3019	F-5
Q3020	C-2
Q3021	E-5
Q3022	E-5
Q3023	D-2
Q3024	D-2
Q3025	C-2
Q3026	E-5
Q3027	E-5
Q3028	C-3
Q3029	C-3
Q3030	D-2
Q3031	C-3
Q3032	C-5
Q3033	C-2
Q3038	C-3
Q3043	B-3
Q3045	B-3
Q3046	B-3
Q3048	B-3
Q3049	D-1
Q3050	D-1
Q3051	D-5
Q3052	B-4
Q3053	B-4
Q3054	B-4
Q3055	B-4
Q3056	C-5
Q3057	B-4
Q3058	B-4
Q3059	C-5
DIODE	
D3000	E-2
D3001	E-2
D3002	E-3
D3003	E-3
D3004	E-3
D3006	F-4
D3007	F-4
D3008	F-4
D3009	G-5
D3010	G-5
D3016	C-3
D3017	C-3
D3018	C-3
D3019	D-3
D3020	D-3
D3021	C-4
D3022	D-5
D3023	C-4
D3026	C-3
D3027	F-3
D3028	C-3
D3029	D-3
D3030	B-3
D3033	C-2
D3034	C-3
D3035	B-3
D3036	G-4
D3038	B-3
D3039	B-3
D3041	B-4
D3042	B-4
D3043	D-5
D3044	D-3
D3045	B-4
D3046	B-4
D3049	B-4
D3050	B-4
D3051	G-5
D3052	G-3
D3053	D-2

M [SYSTEM CONTROL, Y/C/J.]

Note :



Schematic diagrams

◀ D board

Schematic diagrams

M board ▶

X (1/2) BOARD IC VOLTAGE LIST

	Pin	Volt		Pin	Volt		Pin	Volt		Pin	Volt		Pin	Volt
IC5001	1	1.1	IC5007	1	13.2	IC5012	2	0.2		48	0.2		8	2.1
	2	0.5		2	0.3		3	4.6		47	2.4		9	2.5
	3	1		3	2.5		4	4.4		46	0.4		10	5.2
	4	3.4		4	5.6		5	4.0		49	0		11	E
	5	6.0		5	0.2		6	4.1		50	0.4		12	0
	6	1.1		6	0.2		7	5.2		51	0.3		14	5.2
	7	0.3		7	4.7		8	E		52	0.4		15	0.4
	8	0		9	2.5		11	5		53	0.4		16	0.7
	9	1.9		10	0		12	E		54	0.4		17	2.8
	10	0.4		11	0.3		13	E		55	0.4		19	0
	11	8.1		12	0.3		14	5.1		56	0.3		20	4.3
	12	8.1		Pin	Volt		15	5.1		58	E	IC5016	1	0.4
	13	3.5		13	0.4		16	9.2		59	E		2	2.6
	14	0		14	5.2	IC5014	1	5.2		60	E		3	1.2
	15	4.1		15	0.3		2	E		61	E		4	2.9
	16	0.2		16	0.4		3	0.9		63	5.2		5	3.0
	19	2.7		17	0.4		4	1.7		64	0		6	E
	19	3.2		18	0.4		5	E		65	5.1		7	E
	20	3.2		19	0.4		6	E		66	5.1		8	E
	21	3.2		21	2.2		7	5.2		69	2.2		9	0.2
	22	4.4		22	E		8	5.2		70	2.1		10	0.2
	23	E		23	0.2		9	E		71	0.3		11	0.2
	24	2.9		24	7.2		10	5.2		73	0		12	2.9
IC5102	1	1.1		25	E		11	E		75	5.2		13	1.7
	5	E		26	7.5		12	0		74	5.2		14	2.9
	6	8.1		27	2.5		13	1.7		75	E		15	2.6
IC5003	1	7.5		28	E		14	2.2		76	E		16	5.2
	5	E	IC5008	1	E		15	1.7		77	1.8	IC5206	1	2.5
	6	5.2		2	0.5		16	2.2		78	0.5		2	3.3
IC5005	1	7.5		3	E		17	1.7		79	E		3	1.8
	5	E		4	4.0		18	1.5		80	5.2		4	E
	6	5.2		5	8.6		19	1.4		81	5.2		6	E
IC5006	1	0.2		6	E		20	E		82	E		7	3.1
	2	0.5		7	0.3		21	5.2		83	E		8	5.2
	3	2.6		8	0		22	0		84	1.3	IC5208	1	2.8
	4	5.2		9	1.8		23	0.2		85	E		2	3.0
	5	0.3		10	0.4		24	0		86	0.6		3	2.3
	7	0.4		11	8.1		25	2.5		87	0.6		4	E
	8	4.7		12	8.1		26	0.5		88	0		5	5.2
	9	4.5		13	4.2		27	0.3		89	1.5		6	3.0
	10	0		14	3.5		28	2.5		90	5.2		7	2.8
	11	0.3		15	4.1		29	2.5		91	5.2		8	5.2
	12	0.4		16	2.1		30	2.5		92	E			
	13	0.4		18	2.8		31	2.8		93	1.1			
	14	5.2		19	4.2		32	5.2		94	1.3			
	15	0.3		20	3.2		33	0.5		95	0.6			
	16	0.4		21	3.2		34	2.2		96	1.3			
	17	0.4		22	4.6		35	2.5		97	2.1			
	18	0.4		23	E		36	0.3		98	2.2			
	21	2.7	IC5010	1	7.0		37	2.7		99	E			
	21	2.7		2	7.0		38	2.2		100	5.2			
	22	E		3	2.1		39	0.3	IC5015	1	2.1			
	23	0.2		4	0		40	0.2		2	5.2			
	24	0.2		4	2.8		41	0.2		3	0.9			
	25	E		5	8.1		42	5.2		4	0.8			
	26	2.5		6	2.1		43	E		5	0.8			
	27	0.5		7	5.2		44	4.7		6	2.5			
	28	E		8	1.4		45	2.7		7	2.5			

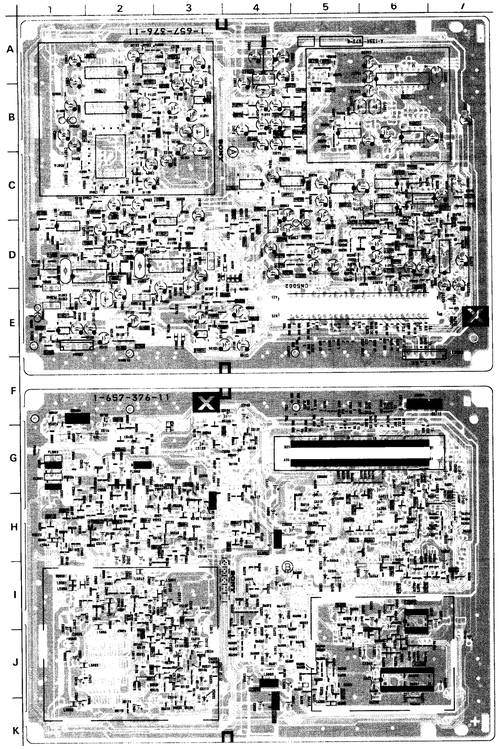
All voltages are in V

X (1/2) BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q5001	2.1	5.2	1.5
Q5007	1.3	8.1	0.7
Q5008	2.1	8.1	1.5
Q5010	3.4	E	4.1
Q5011	0.2	4.6	E
Q5012	0.5	0.7	E
Q5013	0.2	4.0	E
Q5014	1.2	5.2	0.6
Q5015	6.0	9.2	5.3
Q5016	3.4	E	4.1
Q5017	2.7	5.2	2.1
Q5018	1.6	5.2	1.0
Q5020	6.6	8.1	5.9
Q5021	3.9	E	4.6
Q5022	1.9	3.1	1.3
Q5025	3.1	5.2	2.4
Q5026	2.2	3.2	1.6
Q5027	3.2	5.2	2.6
Q5028	3.1	5.2	2.5
Q5029	4.9	8.1	4.3
Q5030	1.7	3.1	1.0
Q5031	4.9	8.1	4.3
Q5032	2.4	4.4	1.8
Q5033	2.5	4.4	1.8
Q5034	3.6	5.2	3.0
Q5036	4.2	E	4.9
Q5038	4.3	E	4.9
Q5039	2.8	5.2	2.2
Q5040	2.0	5.2	1.4
Q5041	4.4	3.6	5.5
Q5042	4.4	2.8	5.0
Q5051	2.0	5.2	1.4
Q5053	1.5	5.2	0.8
Q5060	0	5.2	0
Q5061	0.2	4.3	E

All voltages are in V

X MPX, PICTURE IN PICTURE, OSD MIXER.



X BOARD LOCATION

IC	
IC5001	D-2
IC5002	C-4
IC5003	A-5
IC5004	B-6
IC5005	B-4
IC5006	B-5
IC5007	A-2
IC5008	D-3
IC5010	E-1
IC5011	C-4
IC5012	A-2
IC5014	B-2
IC5015	D-3
IC5016	D-1
IC6201	D-7
IC6202	C-6
IC6203	C-6
IC6204	C-5
IC6205	C-5
IC6206	A-3
IC6207	A-4
IC6208	B-3
IC6209	A-5
IC6211	B-5
TRANSISTOR	
Q5001	D-2
Q5007	G-2
Q5008	G-2
Q5010	E-1
Q5015	E-2
Q5017	H-2
Q5018	H-2
Q5020	C-2
Q5021	D-2
Q5022	H-2
Q5026	E-2
Q5038	E-4
Q5039	J-3
Q5040	J-3
Q5041	H-4
Q5042	D-4
Q5051	I-3
Q5053	J-2
Q5060	B-2
Q5061	C-2
Q6214	D-5
Q6225	B-4
Q6226	H-5
Q6227	D-5
Q6247	D-5
Q6262	D-5
Q6263	D-6
Q6301	D-6
DIODE	
D5001	I-6
D5002	I-6
D5004	H-1
D5005	K-5
D5009	D-3
D5010	D-3
D5011	E-3
D5012	E-3
D5013	F-3
D5208	H-1
D6263	J-6

Note :

• : Pattern of the rear side.

X (1/2)
(MPX, PICTURE IN PICTURE, OSD MIXER)

• X (1/2) BOARD WAVEFORMS

① 5.1 Vp-p (H)	② 5.3 Vp-p (V)	③ 5.3 Vp-p (H)	④ 5.3 Vp-p (V)
⑤ 5.2 Vp-p (H)	⑥ 1.1 Vp-p (H)	⑦ 2.3 Vp-p (H)	⑧ 1.2 Vp-p (H)
⑨ 1.2 Vp-p (H)	⑩ 0.7 Vp-p (H)	⑪ 1.0 Vp-p (H)	⑫ 1.0 Vp-p (H)
⑬ 2.1 Vp-p (H)	⑭ 4.2 Vp-p (H)	⑮ 5.0 Vp-p (H)	⑯ 5.2 Vp-p (V)
⑰ 4.1 Vp-p (V)			

X (2/2) BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q6201	0	9.2	0
Q6202	0	9.2	0
Q6203	0	2.6	E
Q6204	2.1	5.2	1.4
Q6205	2.5	5.2	2.1
Q6206	2.1	5.2	1.4
Q6207	0	9.2	0
Q6208	2.7	9.2	2.1
Q6209	2.1	9.2	1.5
Q6210	2.7	9.2	2.1
Q6211	1.8	9.2	1.1
Q6212	2.7	9.2	2.1
Q6213	2.1	6.8	1.5
Q6214	6.8	2.7	7.4
Q6215	2.7	9.2	2.0
Q6216	1.9	5.2	1.3
Q6217	2.1	9.2	1.4
Q6218	0.4	9.2	2.1
Q6220	2.3	5.2	1.6
Q6221	2.1	9.2	1.5
Q6222	0.4	9.2	2.1
Q6225	2.3	5.2	1.6
Q6226	2.8	5.6	2.1
Q6227	5.6	4.3	6.3
Q6228	2.1	9.2	1.5
Q6229	0.4	9.2	2.1
Q6230	0.7	0.4	E
Q6231	0.2	0.7	E
Q6232	2.1	5.2	1.5
Q6233	0.4	5.2	2.1
Q6234	0.4	5.2	2.0
Q6235	2.0	5.2	1.4
Q6236	2.1	5.2	1.4
Q6237	0.4	5.2	2.1
Q6238	0.4	5.2	2.0
Q6239	2.0	5.2	1.4
Q6240	2.0	5.2	1.4
Q6241	0.4	5.2	2.1
Q6242	0.4	5.2	2.0
Q6243	2.0	5.2	1.4
Q6244	4.3	9.2	3.7
Q6245	1.8	9.3	1.1
Q6246	1.9	7.3	1.2
Q6247	7.3	2.0	7.9
Q6248	2.0	9.2	1.4
Q6249	0.2	4.6	E
Q6250	0.6	0.6	E
Q6251	0.2	4.3	E
Q6252	2.1	5.2	1.4
Q6253	0.4	5.2	2.1
Q6254	0.4	5.2	2.1
Q6255	2.1	5.2	1.4
Q6256	0.4	5.2	2.1
Q6257	2.1	5.2	1.4
Q6258	2.4	5.2	1.8
Q6259	0.2	5.2	E
Q6260	4.6	7.2	4.0
Q6261	7.2	9.2	6.6
Q6262	4.6	2.1	5.3
Q6263	6.6	5.3	7.2
Q6264	2.5	5.2	2.1
Q6265	2.1	5.2	1.5
Q6266	2.6	5.2	2.1
Q6267	0.8	9.2	0.6
Q6351	0.4	E	0

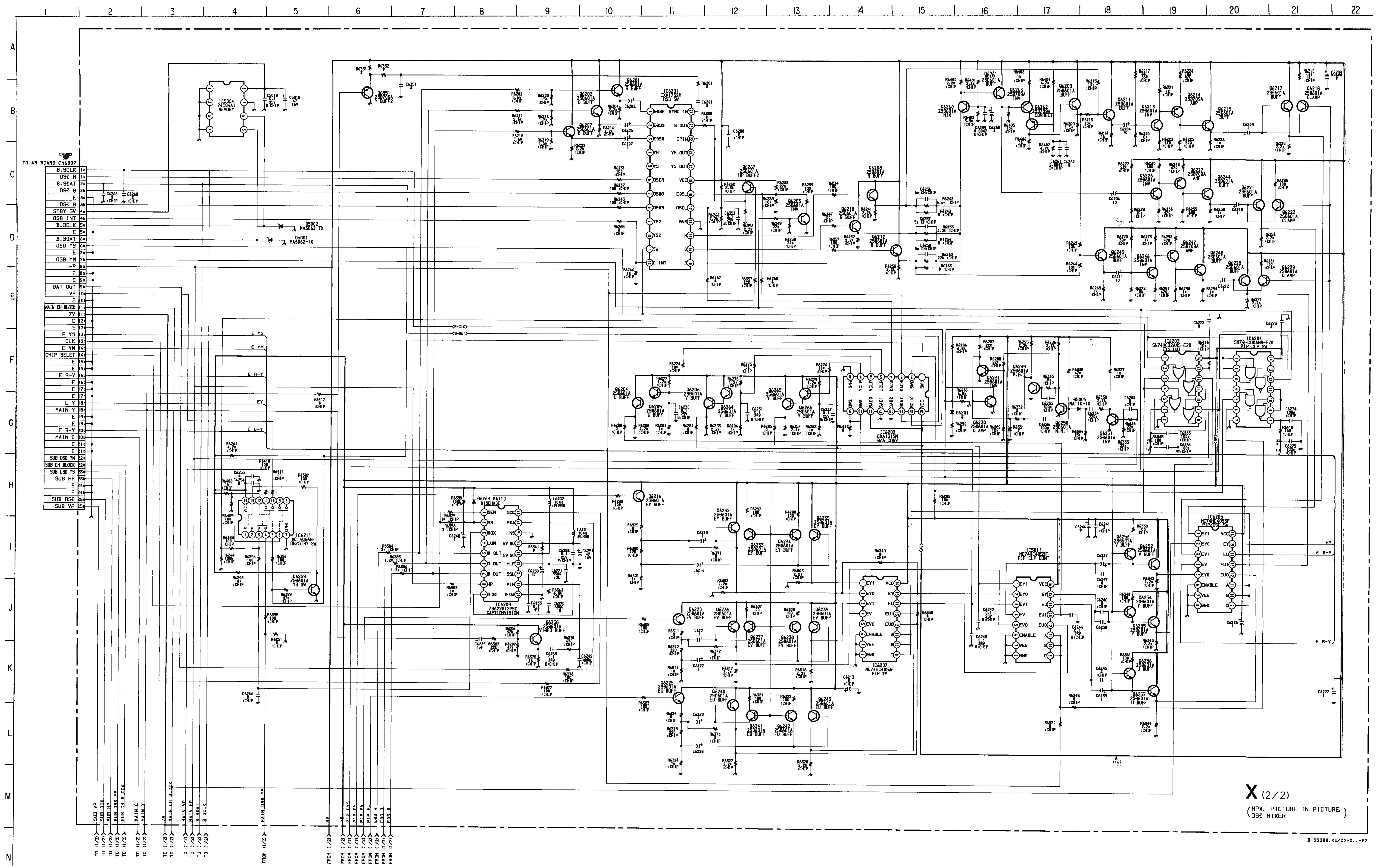
ALL VOLTAGES ARE IN V

X (2/2) BOARD IC VOLTAGE LIST

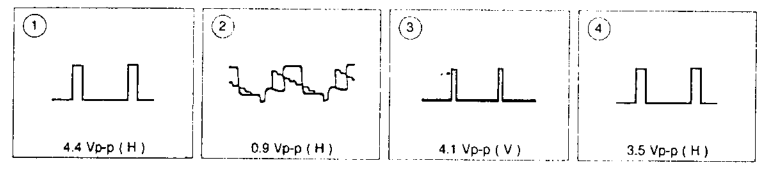
	Pin	Volt		Pin	Volt		Pin	Volt
IC5004	1	E		9	0.2		15	1.4
	2	E		10	0.2		16	5.2
	3	E		11	9.2	IC6207	1	0.4
	4	E		12	E		2	1.4
	5	5.1		13	E		3	1.4
	6	5.1		14	5.0		4	1.5
	7	E		15	5.1		5	1.4
	8	5.2		16	9.2		6	E
IC5011	1	1.5	IC6203	1	0		7	E
	2	1.4		2	0		8	E
	3	1.4		3	0		9	0
	4	1.4		4	0		10	0
	5	1.4		5	0		11	0
	6	E		6	0		12	1.4
	7	E		7	E		13	1.4
	8	E		8	0		14	1.4
	9	5.2		9	0		15	1.4
	10	5.2		10	0		16	5.2
	11	5.2		11	0	IC6209	1	0.4
	12	1.4		12	0		2	5.1
	13	1.4		13	0.2		3	0
	14	1.4		14	5.2		5	0
	15	1.5	IC6204	1	0		6	0
	16	5.2		2	0		7	0
IC6201	1	5.7		3	5.2		8	0.8
	2	5.7		4	0		9	0
	3	5.7		5	5.2		10	E
	6	0		6	5.2		11	2.1
	7	0		7	E		12	1.9
	8	0		8	0		13	2.0
	11	0		9	5.2		14	5.2
	12	2.5		10	5.2		15	5.2
	13	2.7		11	5.2		16	E
	14	2.7		12	0		17	3.7
	15	2.7		13	5.2		18	4.2
	16	E		14	5.2	IC6211	1	0
	17	3.7	IC6205	1	1.4		2	0
	18	2.6		2	1.4		3	0
	19	9.2		3	1.4		4	0.2
	22	0.6		4	1.4		5	0.2
	23	0.6		5	1.4		6	4.7
	24	2.1		6	E		7	E
IC6202	1	0.2		7	E		10	0.2
	2	5.2		8	E		11	0.2
	3	0.5		9	0		12	4.7
	4	0.5		10	0		13	5.2
	5	4.8		11	0		14	5.2
	6	5.3		12	1.4			
	7	5.8		13	1.4			
	8	E		14	1.4			

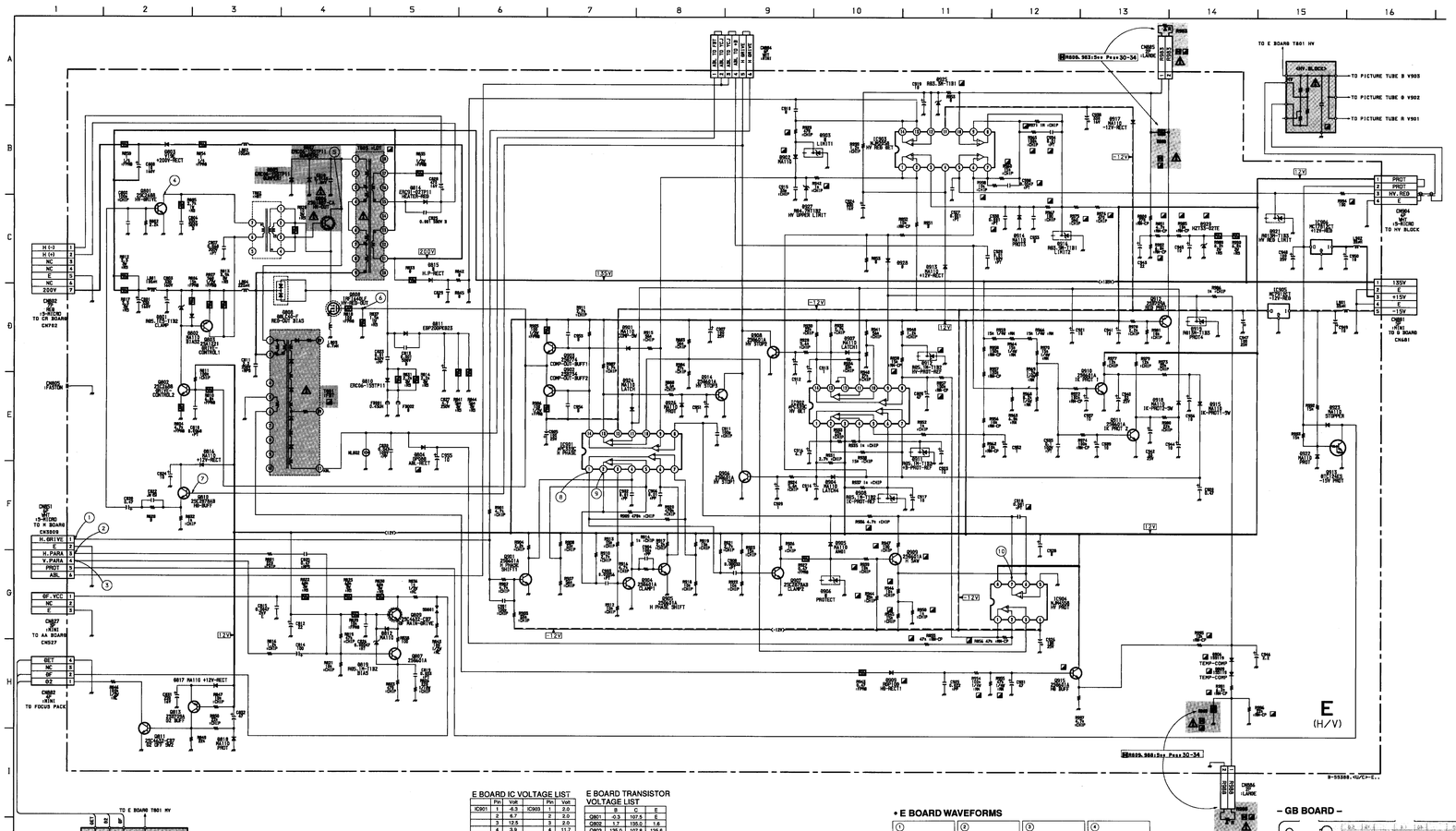
ALL VOLTAGES ARE IN V

Pin numbers which are not described are not used.

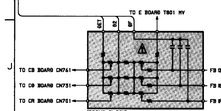


• X (2/2) BOARD WAVEFORMS





E
(H/V)



E BOARD IC VOLTAGE LIST

	Pin	Volt		Pin	Volt
IC601	1	4.3	IC603	1	2.0
	2	6.7		2	2.0
	3	12.5		3	2.0
	4	3.9		4	11.7
	5	7.8		5	7.7
	6	7.5		6	7.7
	7	4.9		7	7.7
	8	2.6		8	2.0
	9	2.5		9	7.7
	10	4.1		10	7.7
	11	0.2		11	11.4
	12	-12.2		12	3.5
	13	-12.0		13	3.6
	14	1.0		14	3.6
IC602	1	0.2	IC604	1	4.0
	2	0.2		2	4.1
	3	12.5		3	4.1
	4	5.3		4	-12.2
	5	4.9		5	E
	6	5.3		6	0.2
	7	0.2		7	2.2
	8	5.2		8	19.4
	9	5.0	IC605	1	-15.6
	10	4.0		G	E
	11	0.2		O	-12.2
	12	E	IC606	1	18.3
	13	0.2		G	E
	14	0.2		O	12.3

ALL VOLTAGES ARE IN V

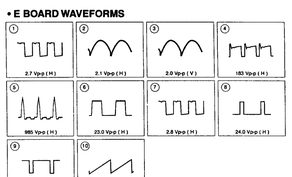
Pin numbers which are not described are not used.

E BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q601	-0.3	107.5	E
Q602	1.7	135.0	1.6
Q603	135.0	107.8	136.6
Q606	53.3	138.3	53.3
Q607	2.1	5.3	1.5
Q609	6.1	365.0	6.5
Q610	2.6	11.8	2.2
Q611	0	670.0	E
Q613	12.6	0	12.3
Q901	0.3	3.9	E
Q902	1.0	-11.8	1.0
Q903	1.1	12.0	1.0
Q904	0.6	5.6	E
Q905	0.2	7.5	E
Q906	0.2	2.8	E
Q907	0.6	0.7	E
Q908	0.2	2.7	E
Q909	-0.1	2.2	0.2
Q910	0.7	0.2	E
Q911	0.7	0.2	E
Q912	10.2	E	10.2
Q913	-0.6	4.5	E
Q914	-0.6	2.9	E
Q915	8.9	12.5	8.3
	G	D	S
Q808	1.0	53.3	0.2

ALL VOLTAGES ARE IN V

• E BOARD WAVEFORMS



GB(POWER SUPPLY)

GB BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q1201	197.2	233.0	196.9
Q1202	-1.7	198.9	0
Q1203	9.7	10.4	10.4
Q1204	11.0	19.8	10.4
Q1250	18.6	6	16.0
Q1253	9.2	19.4	6

ALL VOLTAGES ARE IN V

GB BOARD IC VOLTAGE LIST

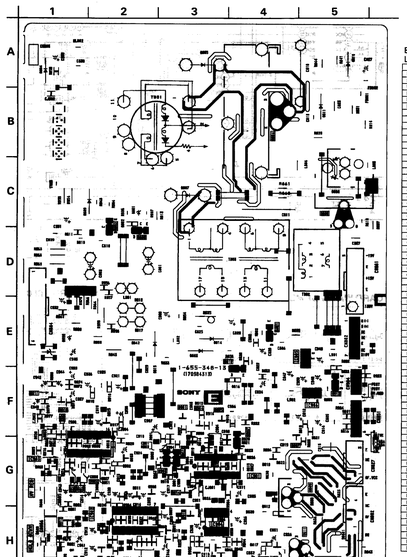
	Pin	Volt
IC1201	1	2.6
	2	0
	3	16.2

ALL VOLTAGES ARE IN V

NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

E [H/V] GB [POWER SUPPLY]

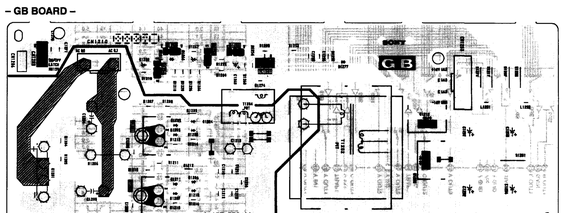
– E BOARD –



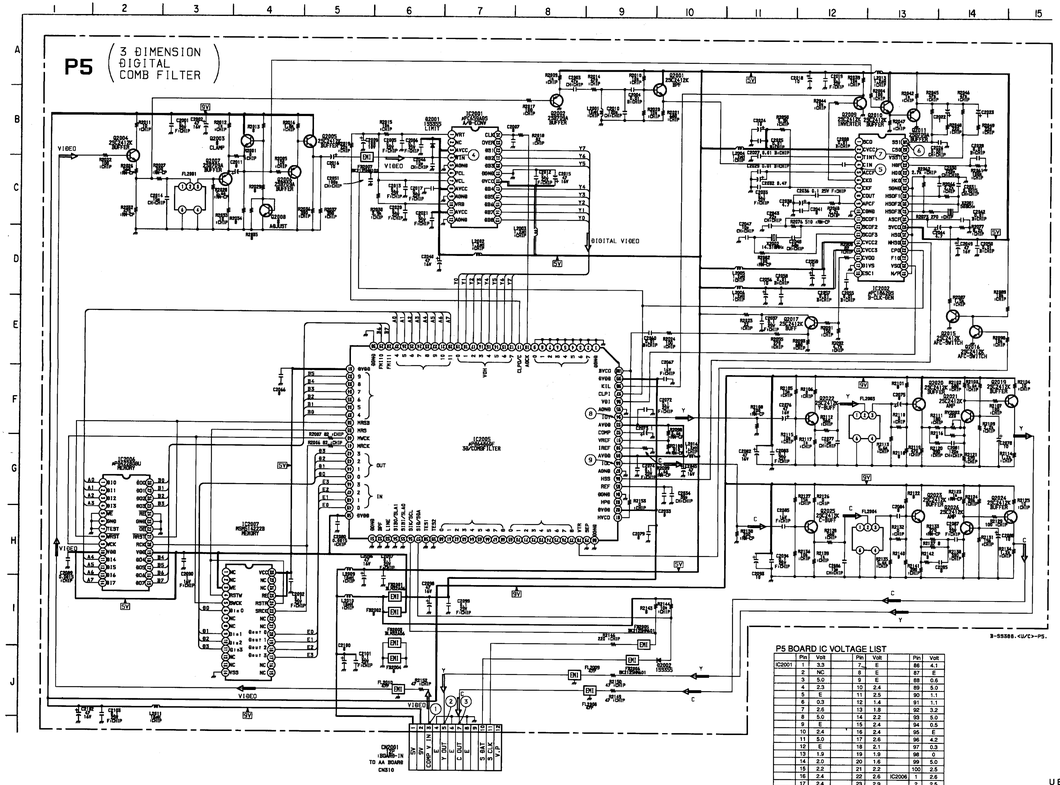
E BOARD LOCATION

IC601	G-3
IC602	E-3
IC603	E-2
IC604	D-3
IC605	E-4
IC606	F-3
TRANSISTOR	
Q601	E-4
Q602	G-3
Q603	G-2
Q606	B-4
Q607	F-4
Q609	G-5
Q610	G-4
Q611	H-4
Q613	H-5
Q901	D-3
Q902	D-3
Q903	D-3
Q904	E-3
Q905	F-3
Q906	G-2
Q907	F-4
Q908	F-3
Q909	G-4
Q910	F-1
Q911	F-1
Q912	F-2
Q913	H-3
Q914	H-3
Q915	F-1
D601	C-3
D602	C-2
D603	E-3
D604	A-1
D605	A-3
D606	A-2
D607	C-3
D608	C-3
D609	H-5
D610	H-5
D611	E-4
D612	E-4
D613	F-4
D614	F-4
D615	F-1
D616	F-2
D617	F-2
D618	H-3
D619	H-3
D901	G-1
D902	G-1
D903	E-5
D904	G-3
D905	G-3
D906	G-3
D907	G-1
D908	G-1
D909	G-1
D910	G-1
D911	G-1
D912	G-2
D913	G-3
D914	G-3
D915	F-1
D916	F-2
D917	F-2
D918	H-3
D919	H-3
D921	G-1
D922	G-1
D923	E-5
D926	G-3
D927	G-2

– GB BOARD –



P5 (3 DIMENSION DIGITAL COMB FILTER)



P5 BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q2001	2.5	5.0	1.8
Q2002	1.3	E	1.9
Q2004	3.3	9.0	2.7
Q2005	2.5	9.0	1.9
Q2006	1.8	E	2.5
Q2007	1.2	0.2	1.9
Q2009	0.8	0	E
Q2010	1.9	5.0	1.2
Q2011	1.2	E	1.5
Q2015	0.8	0	E
Q2016	0	0.8	E
Q2017	3.0	4.9	2.2
Q2019	5.4	9.0	5.0
Q2020	2.7	9.0	2.6
Q2021	2.6	5.4	2.0
Q2022	3.6	3.1	2.9
Q2023	2.6	9.0	2.0
Q2024	4.9	9.0	4.5
Q2025	3.6	2.9	2.9
Q2026	2.3	5.0	1.7

ALL VOLTAGES ARE IN V

U BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q1001	0	0.4	E
Q1002	0.8	0	E
Q1003	0	0.4	E
Q1004	0	0.5	E
Q1005	0.8	0	E
Q1006	0	0.8	E
Q1007	4.0	8.0	3.4
Q1008	4.2	8.9	3.6
Q1009	4.2	8.9	3.5
Q1010	4.1	8.9	3.4
Q1011	4.1	8.9	3.4
Q1012	4.1	8.9	3.4
Q1013	4.1	8.9	3.4
Q1014	4.1	9.2	3.4
Q1015	4.2	8.9	3.5
Q1016	4.1	8.9	3.4
Q1017	4.2	8.9	3.5
Q1039	3.4	9.3	2.7
Q1044	4.4	9.3	3.7

ALL VOLTAGES ARE IN V

P5 BOARD IC VOLTAGE LIST

	Pin	Volt	Pin	Volt	Pin	Volt
IC2001	1	3.3	7	E	86	4.1
	2	NC	8	E	87	E
	3	5.0	9	E	88	0.6
	4	2.3	10	2.4	89	5.0
	5	E	11	2.5	90	1.1
	6	0.3	12	1.4	91	1.1
	7	2.6	13	1.8	92	3.2
	8	5.0	14	2.2	93	5.0
	9	E	15	2.4	94	0.5
	10	2.4	16	2.4	95	E
	11	5.0	17	2.6	96	4.2
	12	E	18	2.1	97	0.3
	13	1.9	19	1.9	98	0
	14	2.0	20	1.6	99	5.0
	15	2.2	21	2.2	100	2.5
	16	2.4	22	2.6	IC2006	1	2.6
	17	2.4	23	2.9		2	2.5
	18	5.0	24	2.5		3	2.6
	19	E	25	2.6		4	2.6
	20	2.2	26	2.5		5	E
	21	1.7	27	2.6		6	E
	22	1.4	28	1.3		7	E
	23	NC	29	1.7		8	5.0
	24	2.3	30	E		9	1.4
IC2002	1	5.0	31	5.0		10	5.0
	3	2.6	32	2.4		11	2.9
	4	3.2	33	2.7		12	2.6
	5	1.0	34	2.2		13	2.2
	6	1.4	35	2.5		14	1.8
	7	2.2	36	2.3		15	1.3
	8	2.7	37	2.4		16	1.7
	10	E	38	5.0		17	2.4
	11	3.0	39	0		18	2.8
	12	3.0	40	1.4		19	5.0
	13	3.1	41	1.4		20	1.4
	14	5.0	42	2.7		21	5.0
	15	5.0	43	2.9		22	E
	16	3.2	44	2.6		23	E
	17	E	45	2.5		24	E
	18	3.7	46	3.2		25	2.2
	19	E	47	3.3		26	2.5
	20	4.2	48	3.0		27	2.3
	22	0.3	49	2.6		28	2.4
	23	4.1	50	5.0	IC2007	3	5.0
	24	E	51	E		4	0
	25	5.0	52	E		5	1.4
	26	3.3	53	E		6	2.5
	27	2.8	54	E		7	2.6
	28	3.8	55	E		10	2.9
	29	3.8	56	5.0		11	2.7
	30	E	57	5.0		14	E
	33	4.2	58	E		17	5.2
	34	2.6	59	E		18	3.3
	36	2.6	78	4.9		19	3.0
	1	E	79	E		20	2.6
IC2006	2	E	80	E		23	1.4
	3	E	81	2.5		24	0
	4	E	82	5.0		25	5.0
	5	E	84	E		28	5.0
	6	E	85	2.7			

ALL VOLTAGES ARE IN V

Pin numbers which are not described are not used.

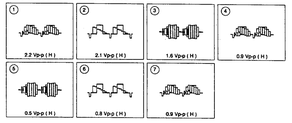
U BOARD IC VOLTAGE LIST

	Pin	Volt	Pin	Volt
IC1001	1	4.2	36	4.2
	2	4.2	37	E
	3	4.2	38	4.1
	4	0	39	9.3
	5	9.0	40	4.1
	6	5.2	42	4.1
	7	5.0	44	4.1
	8	4.2	45	4.1
	9	4.2	46	E
	10	4.2	47	4.1
	11	4.2	48	E
	12	5.1	49	4.1
	13	4.2	50	4.2
	14	4.2	51	4.2
	15	4.1	52	4.2
	16	4.2	53	4.1
	17	4.1	54	4.2
	18	5.2	56	4.1
	19	4.2	57	4.1
	20	4.2	58	4.1
	21	4.2	59	4.2
	22	4.2	60	4.2
	23	4.2	61	4.2
	24	4.1	62	4.2
	25	4.1	63	4.2
	27	4.1	64	4.2
	28	4.2	CM1001	1	E
	29	4.1		2	5.5
	30	5.1		3	9.3
	31	5.1		4	5.4
	32	5.1		5	E
	33	E		6	5.4
	34	4.2		7	9.3
	35	4.0			

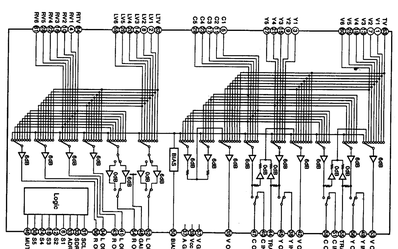
ALL VOLTAGES ARE IN V

Pin numbers which are not described are not used.

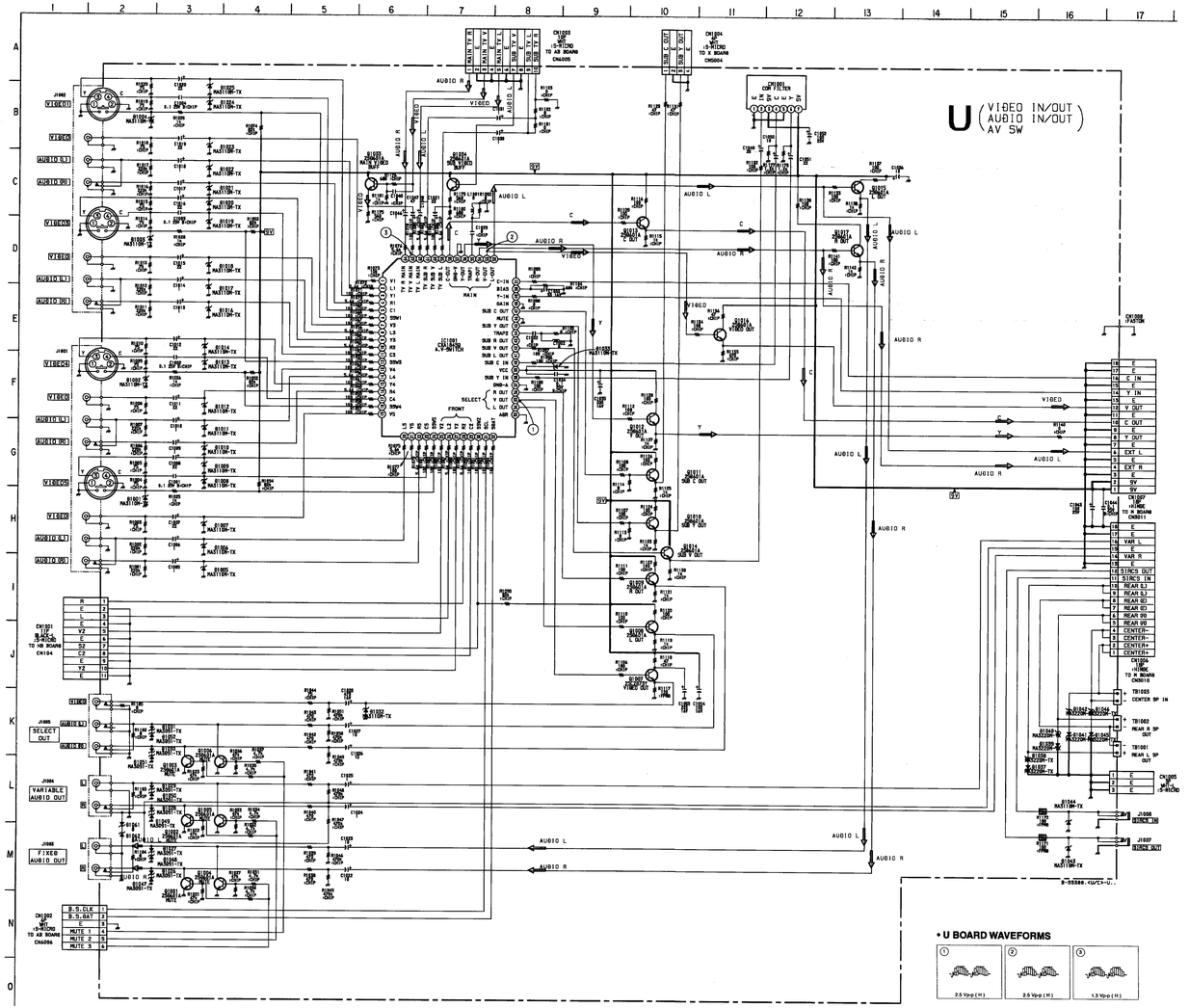
• P5 BOARD WAVEFORMS



U BOARD IC001 CXA1845Q



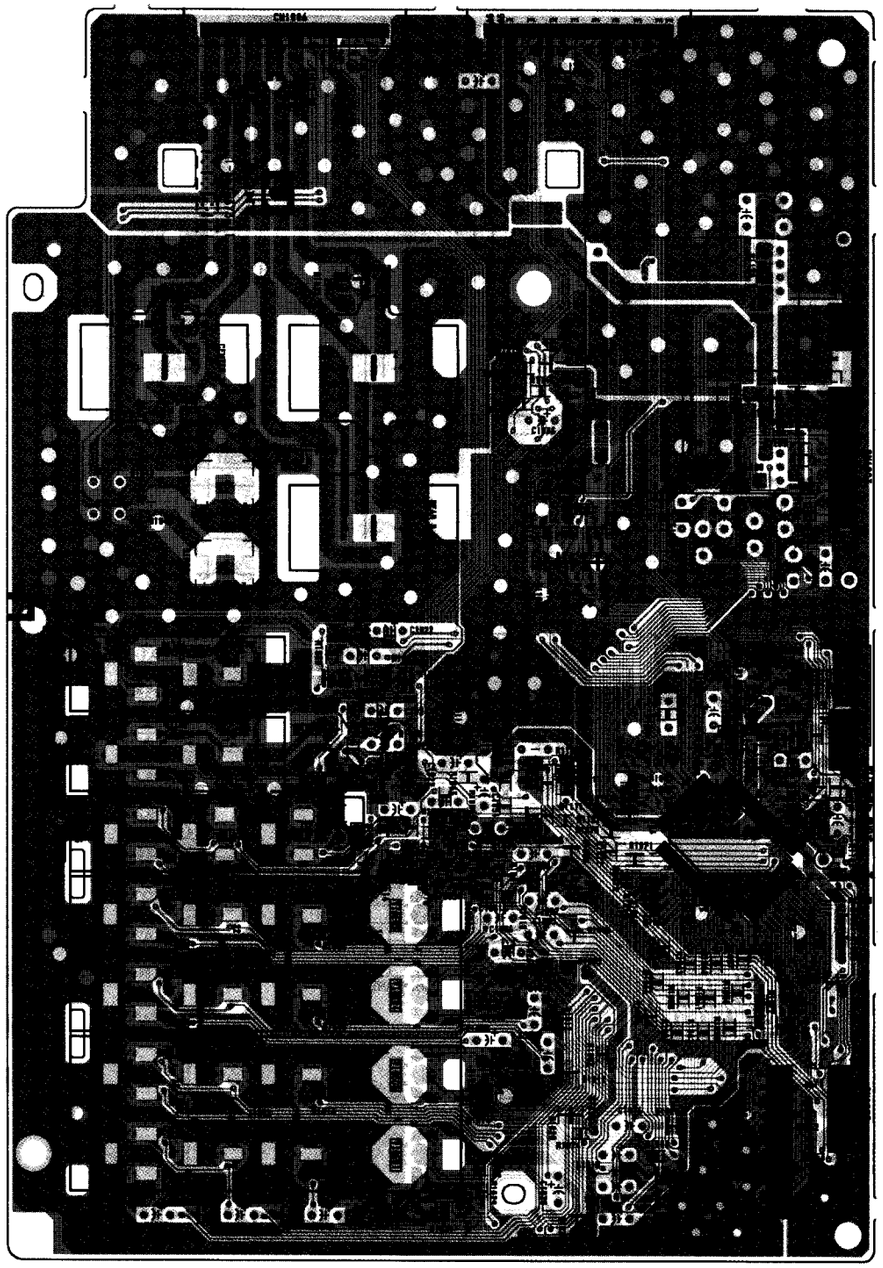
U (VIDEO IN/OUT AUDIO IN/OUT AV SW)



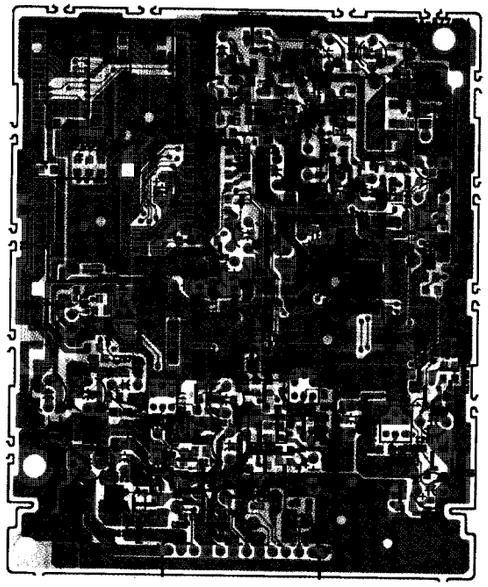
• U BOARD WAVEFORMS

U [VIDEO IN/OUT, AUDIO IN/OUT, AV SW.] **P5** [3 DIMENSION, DIGITAL COMB FILTER.]

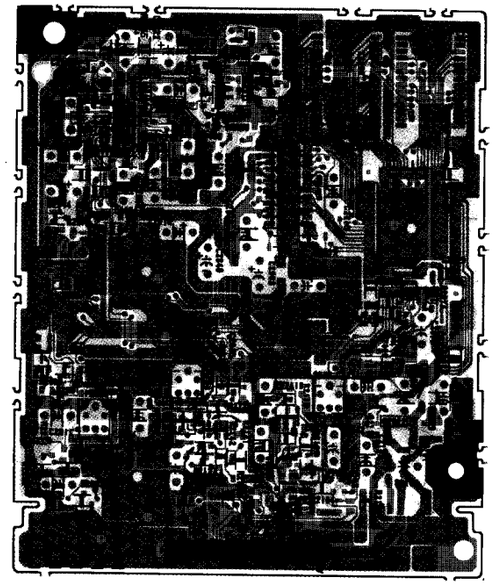
– U BOARD –



– P5 BOARD – ⟨Component Side⟩



⟨Conductor Side⟩



Note :

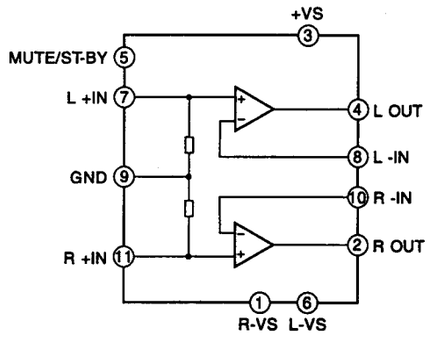
- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

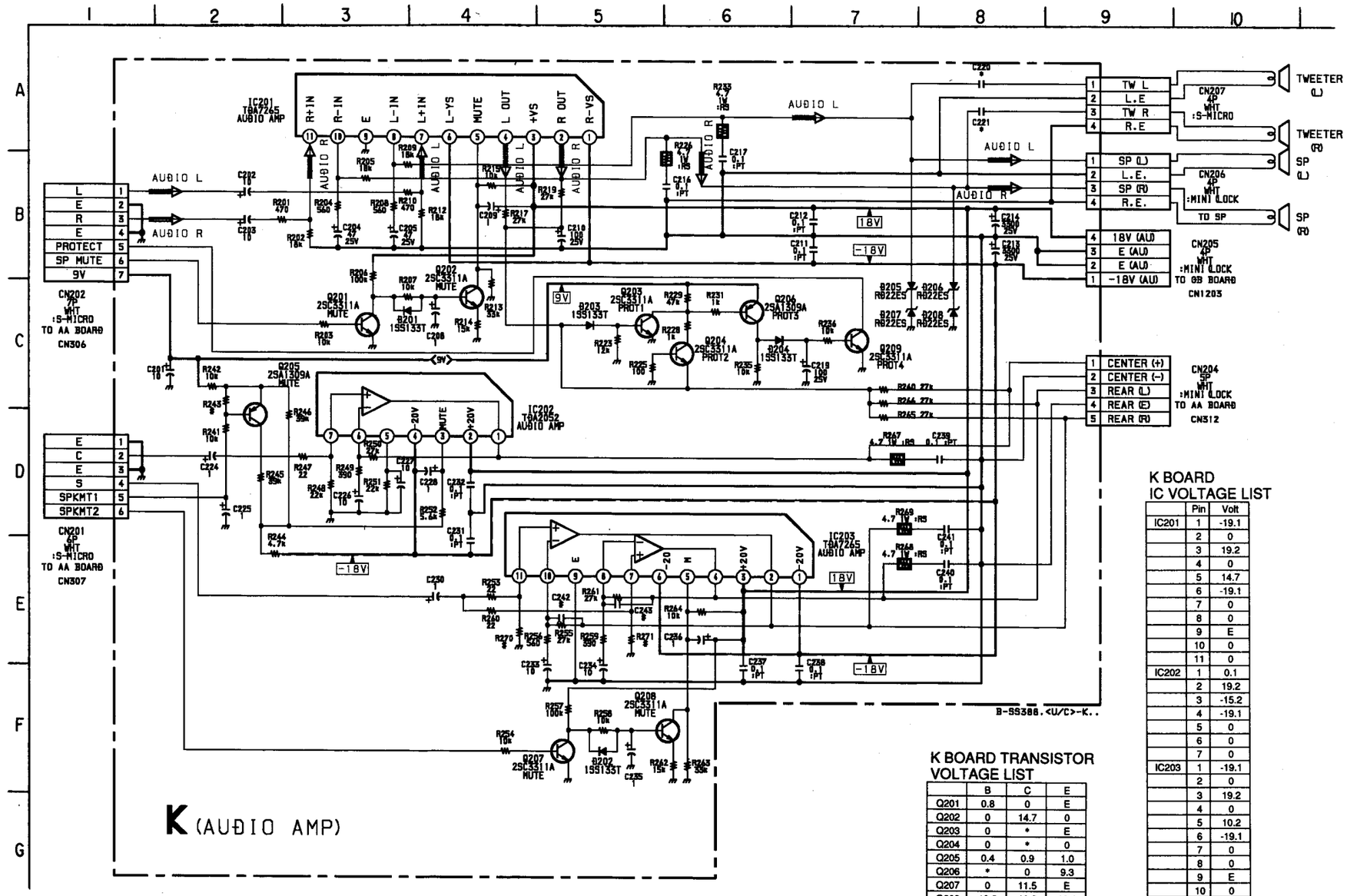
K BOARD BOARD TABLE OF DIFFERENCES BETWEEN MODELS

Ref	KP-53XBR45	KP-61XBR48
C220	JW (5)	-
C221	JW (5)	-

-: Not mount

K BOARD IC201 TDA7265





K BOARD IC VOLTAGE LIST

	Pin	Volt
IC201	1	-19.1
	2	0
	3	19.2
	4	0
	5	14.7
	6	-19.1
	7	0
	8	0
	9	E
	10	0
	11	0
IC202	1	0.1
	2	19.2
	3	-15.2
	4	-19.1
	5	0
	6	0
	7	0
IC203	1	-19.1
	2	0
	3	19.2
	4	0
	5	10.2
	6	-19.1
	7	0
	8	0
	9	E
	10	0
	11	0

ALL VOLTAGES ARE IN V

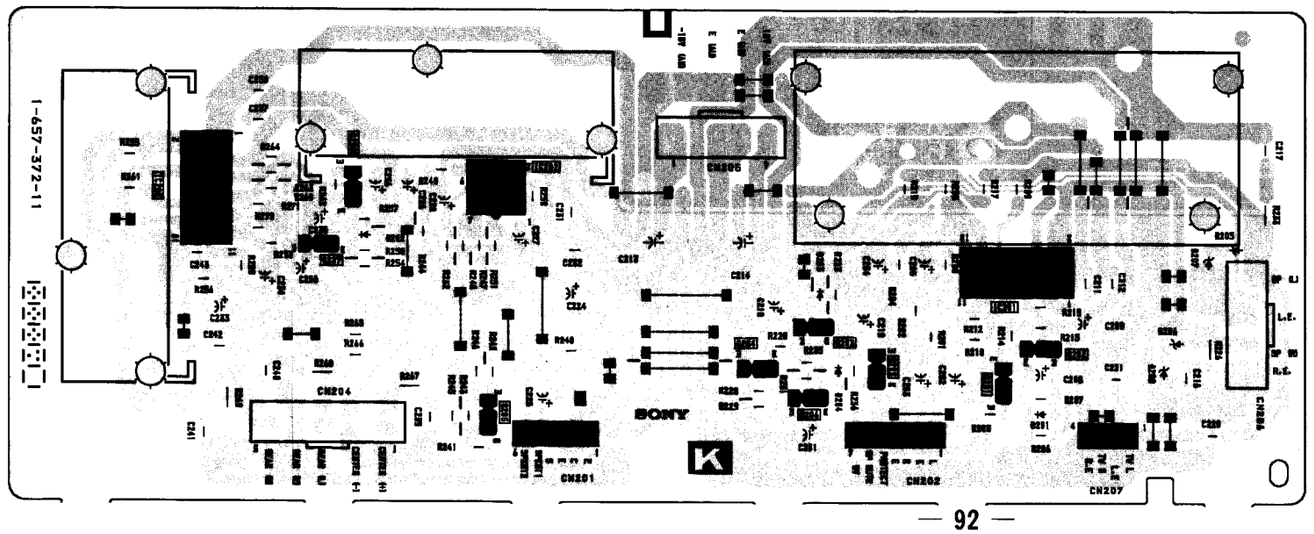
K BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q201	0.8	0	E
Q202	0	14.7	0
Q203	0	*	E
Q204	0	*	0
Q205	0.4	0.9	1.0
Q206	*	0	9.3
Q207	0	11.5	E
Q208	10.8	10.2	10.1
Q209	*	4.3	E

ALL VOLTAGES ARE IN V

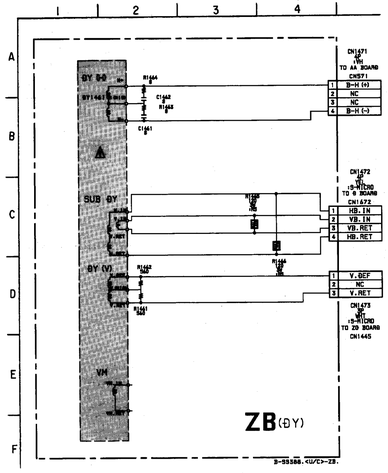
– K BOARD –

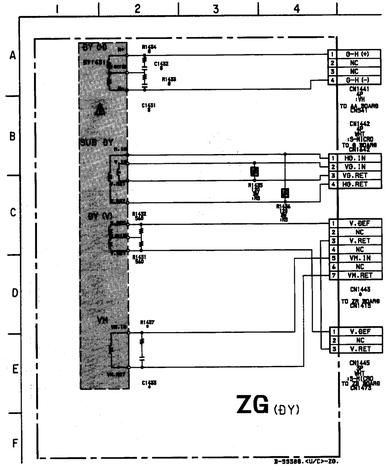
K [AUDIO AMP]

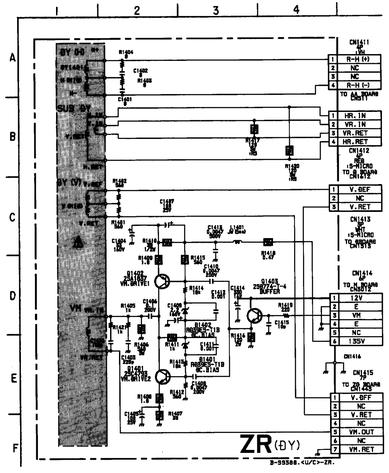


Schematic diagrams

K board ➡



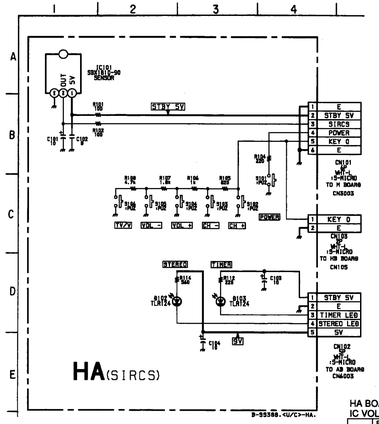




ZR BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q1401	0	-0.5	0
Q1402	-0.9	-0.5	-1.0
Q1403	5.4	12.0	4.8

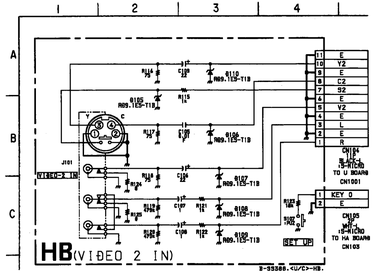
ALL VOLTAGES ARE IN V



HA BOARD IC VOLTAGE LIST

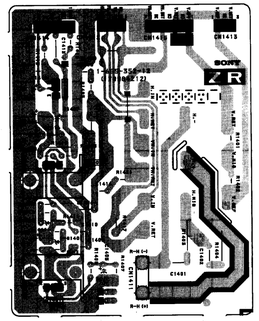
	Pin	Volt
IC701	1	5.0
	2	5.1
	3	E

ALL VOLTAGES ARE IN V

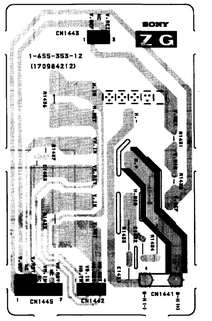


ZR [DY] ZG [DY] ZB [DY] HA [SIRCS] HB [VIDEO 2IN]

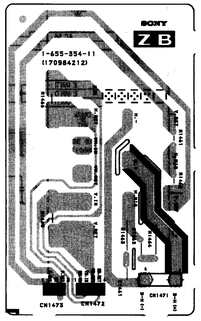
– ZR BOARD –



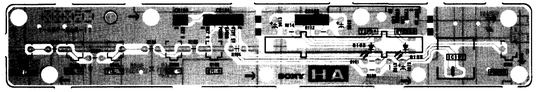
– ZG BOARD –



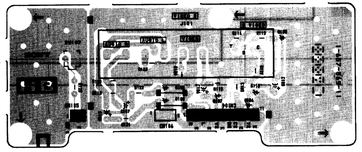
– ZB BOARD –

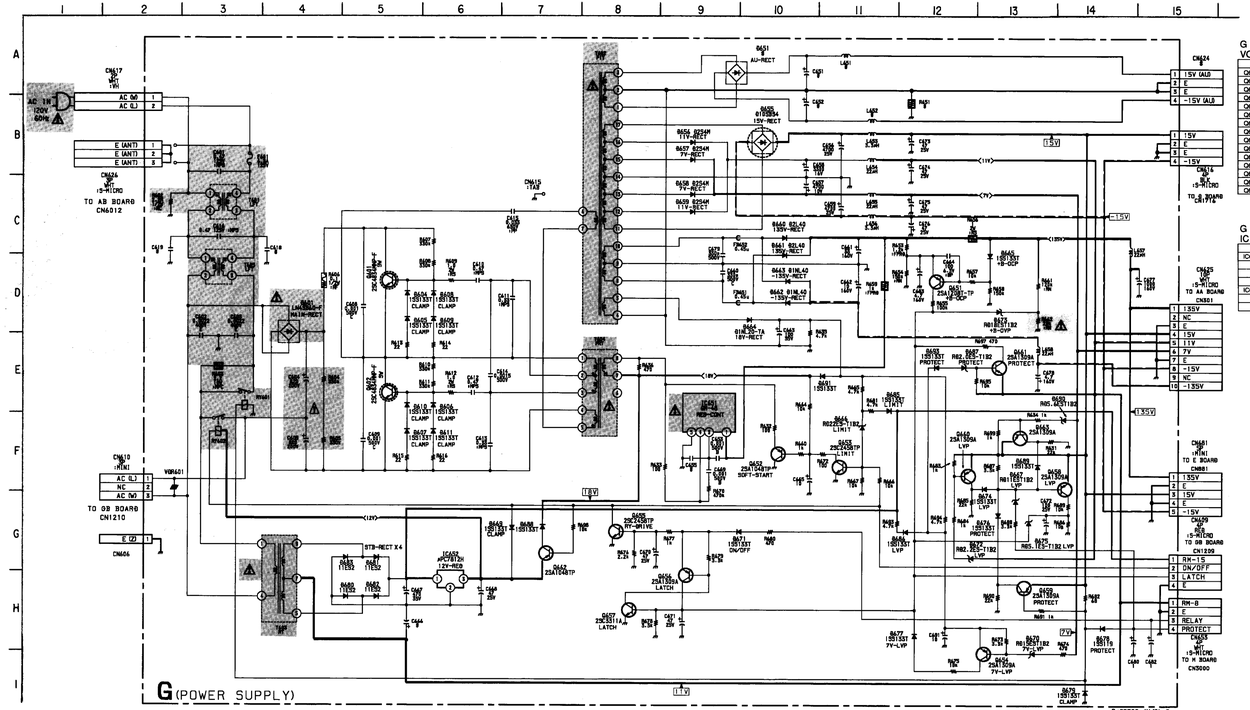


– HA BOARD –



– HB BOARD –





G BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q601	131.0	252.0	132.6
Q602	-1.7	132.6	E
Q651	138.1	0.2	138.2
Q652	17.0	E	14.5
Q653	0.2	17.0	E
Q654	15.8	-2.9	15.8
Q655	0.9	0.2	E
Q656	2.7	0.2	2.7
Q657	0.2	2.7	E
Q658	15.5	0	15.5
Q659	14.7	15.5	15.5
Q660	14.6	15.5	15.5
Q661	11.5	0.2	11.5
Q662	11.1	11.8	11.8
Q663	14.6	15.5	15.5

ALL VOLTAGES ARE IN V

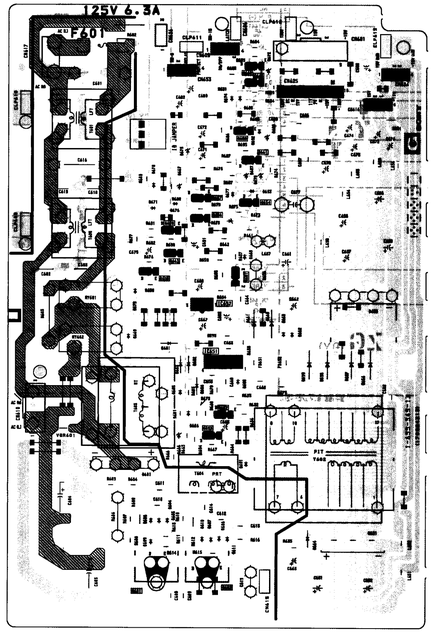
G BOARD IC VOLTAGE LIST

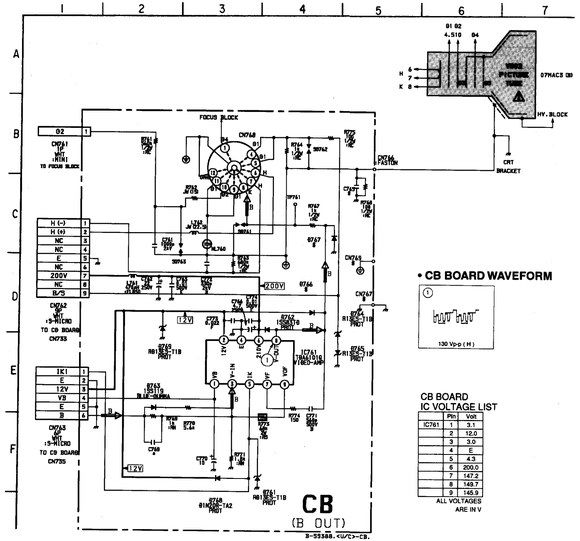
	Pin	Volt
IC651	1	138.0
	3	2.7
	4	12.9
	5	E
IC652	1	13.2
	2	E
	3	11.8

ALL VOLTAGES ARE IN V

G [POWER SUPPLY] CB [B OUT]

– G BOARD –





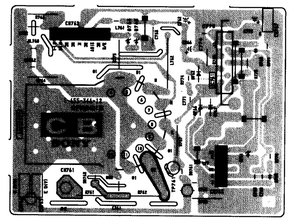
• CB BOARD WAVEFORM

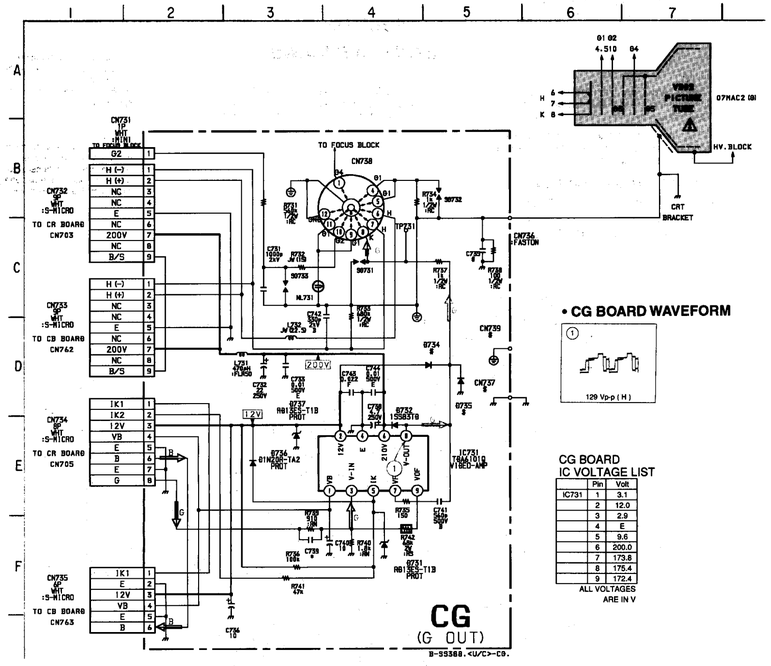
CB BOARD IC VOLTAGE LIST

	Pin	Volt
IC761	1	3.1
	2	12.0
	3	3.0
	4	E
	5	4.3
	6	200.0
	7	147.2
	8	148.7
	9	145.9

ALL VOLTAGES ARE IN V

– CB BOARD –





• CG BOARD WAVEFORM

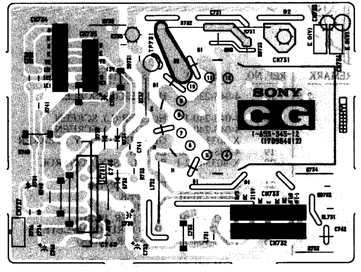
CG BOARD
IC VOLTAGE LIST

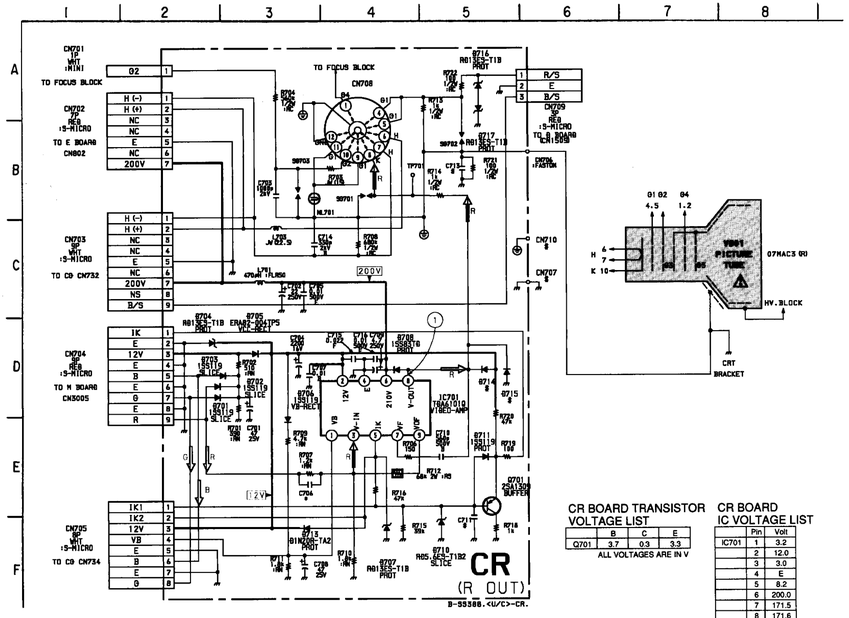
	Pin	Volt
IC731	1	3.1
	2	12.0
	3	2.9
	4	E
	5	9.6
	6	200.0
	7	173.8
	8	175.4
	9	172.4

ALL VOLTAGES ARE IN V

CG [G OUT]

– CG BOARD –





CR BOARD TRANSISTOR
VOLTAGE LIST

	B	C	E
Q701	3.7	0.3	3.3

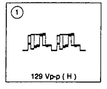
ALL VOLTAGES ARE IN V

CR BOARD
IC VOLTAGE LIST

	Pin	Volt
IC701	1	3.2
	2	12.0
	3	3.0
	4	E
	5	8.2
	6	200.0
	7	171.5
	8	171.6
	9	170.1

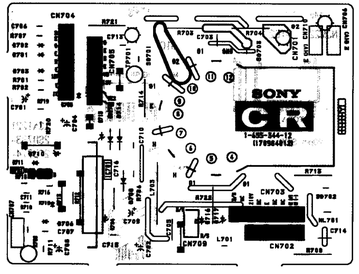
ALL VOLTAGES ARE IN V

• CR BOARD WAVEFORM

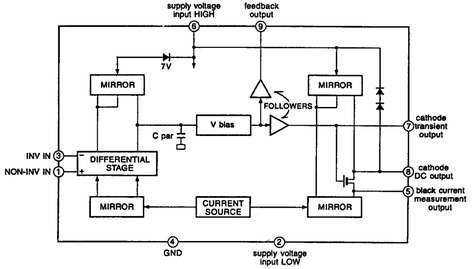


CR [R OUT]

– CR BOARD –



CR BOARD IC701 TDA6101Q



Schematic diagrams

← CB CR boards

4-4. SEMICONDUCTORS

2SA1492M-OPY



2SA1837
2SC4793
2SD1877-CA



2SB649A-C
2SC2688-LK



2SC2878-AB



2SC4632LS-CB7



2SC4834M



2SD1623-S



2SD2348LBSONY



DTA144EKA-T146
2SA1037AK-T146-R
2SA1162-G
2SC1623-L5L6
2SD601A-Q



DTC124ES
2SC2458-YGR



IRF1640LF



D10SBS4F
LN4SB60



D10SC6MR



D1N20R
RD11ESB2
RD13ESB2
RD15ESB2
RD18ESB2
RD2.0ESB2
RD2.2ESB2
RD22ESB1
RD22ESB2
RD24ESB
RD24ESB3
RD3.6ESB1
RD3.9ESB2
RD39ESB2
RD5.1ESB2
RD5.6ESB1
RD5.6ESB2
RD9.1ESL
11EQS04
11ES2
1SS119-25
1SS133T-77



D1NL20
D1NL40-TR2
D2L40-TA
EGP20G
EL1Z
GP08D
RGP02-20EL-6394
1SS83



D2S4MF



D8LC40



ERC06-15S
ERC91-02
RU-1C



ERC38-06
V09G



F10P06Q



MA110
1SS355



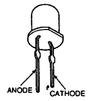
MA3082
MA3091
MA3220M-TX
MA3330-H-TX
RD11M-B2
RD13M-B3
RD2.0MB
RD22M-B2
RD3.3M-B1
RD3.9M-B1
RD33M-B
RD4.7M-B2
RD5.1M-B2
RD5.6M-B2
RD6.2M-B
RD6.2M-B2
RD8.2M-B
RD9.1M-B1



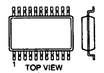
MA8056



TLR124

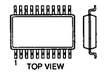


CXA1211M
MM1166XFB
NJM2233BM
X24C04S8



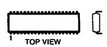
8pin SOP

CXA1315M
HD14053BFP
MC74HC4053F



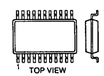
16pin SOP

CXA1477AS



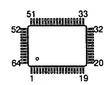
48pin DIP

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HD74HC00FPEL
TDA8315T/N3A-T
UPC659AGS-E2

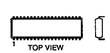


24pin SOP

CXA1845Q
MB90091-104

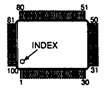


CXP85112B-613S
CXP85324A-039S
CXP85340A-049S

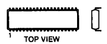


64pin DIP

HD6433947A05F
SAB9075H/N2A
UPD6486GF-3BA

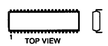


LA2785
PM0002B



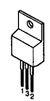
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LH53171K



28pin DIP

LM7912CT
MC7905CT
NJM7905FA
NJM7912FA

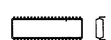


LV1011



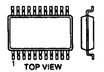
24pin DIP

M5218AP
ST24C02CB1
UPC4558C
24C04A1/P



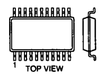
8pin DIP

M5M442256AJ-8-T2
MSM514222B-30GS-KR1
UPD42280GU-30
UPD42280GU-60-E2



28pin SOP

MC14066BF
SN74HC32ANS
SN74HC74ANS



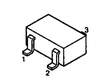
14pin SOP

MN1280-S



3pin SIP

MN1382S



NJM2058D
UPC339C

14pin DIP

NJM2256M-TE2

20pin SOP

NJM7805FA
PQ09RF2
TA7805S
TA7808S
TA7812S

PA0053B
Z8622812PSC

18pin DIP

PQ05RF11

STK392-010

STV9379
TDA2052

TDA6101Q

9pin ZIP

TDA7265

TDA7315

20pin DIP

UPC1093J-1-T

UPC1862GS-E2

36pin SOP

UPC574J

2SA1013-O
2SA1208-S

2SA1175-HFE
2SC2785-HFE

2SA1221-L
2SB733-34
2SD774-34

SECTION 5
EXPLODED VIEWS

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

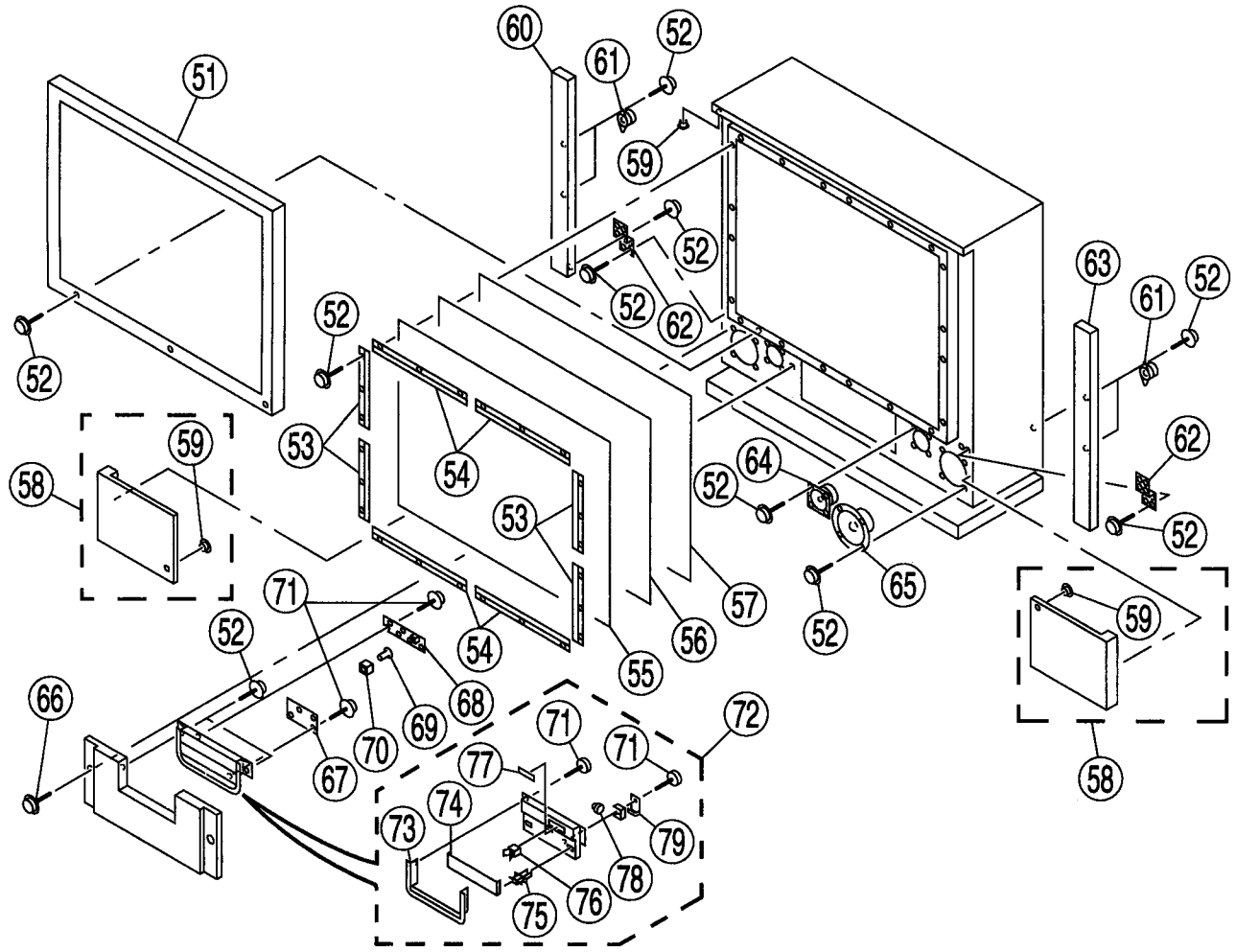
Les composants identifiés par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

5-1. COVER (KP-53XBR45)

● : 7-685-648-79 +BVTP 3x12
▼ : 7-685-248-14 +KTP 3x12
△ : 7-685-661-14 +BVTP 3x12

REF. NO.	PART NO.	DESCRIPTION	REMARK
1	X-4033-121-1	FRAME ASSY, SCREEN	2-5
2	4-036-523-01	BUTTON, POWER	
3	3-566-903-02	SPRING	
4	4-838-452-00	STRIKE	
5	4-838-453-00	SUPPORT	
6	4-041-164-11	SCREW (4x20), TAPPING	
7	1-544-580-21	SPEAKER (2.5CM)	
8	4-381-686-01	BRACKET (B), LIGHT GUIDE	
9	* 4-374-987-01	GUIDE, LIGHT	
10	* A-1372-140-A	HA BOARD, COMPLETE	
11	4-041-165-01	SCREW (3x12), TAPPING, +BV	
12	4-043-235-01	SCREEN (53), CONTRAST	
13	4-036-466-01	PLATE (L), DIFFUSION	
14	4-036-469-01	PLATE (F), DIFFUSION	
15	4-043-239-11	HOLDER (S), SCREEN	
16	4-043-240-11	HOLDER (L), SCREEN	
17	4-043-240-31	HOLDER (L), SCREEN	
18	X-4033-010-1	GRILLE (53) ASSY, SPEAKER	
19	4-838-438-00	LATCH	
20	X-4033-012-1	PANEL ASSY, CONTROL	21-23
21	4-050-150-01	DOOR, CONTROL	
22	4-045-250-01	DAMPER	
23	4-045-250-11	DAMPER	
24	4-392-036-01	CATCHER, PUSH	
25	* A-1372-141-A	HB BOARD, COMPLETE	
26	1-504-964-11	SPEAKER (10CM)	
	1-504-141-11	SPEAKER (13CM)	

5-2. COVER (KP-61XBR48)

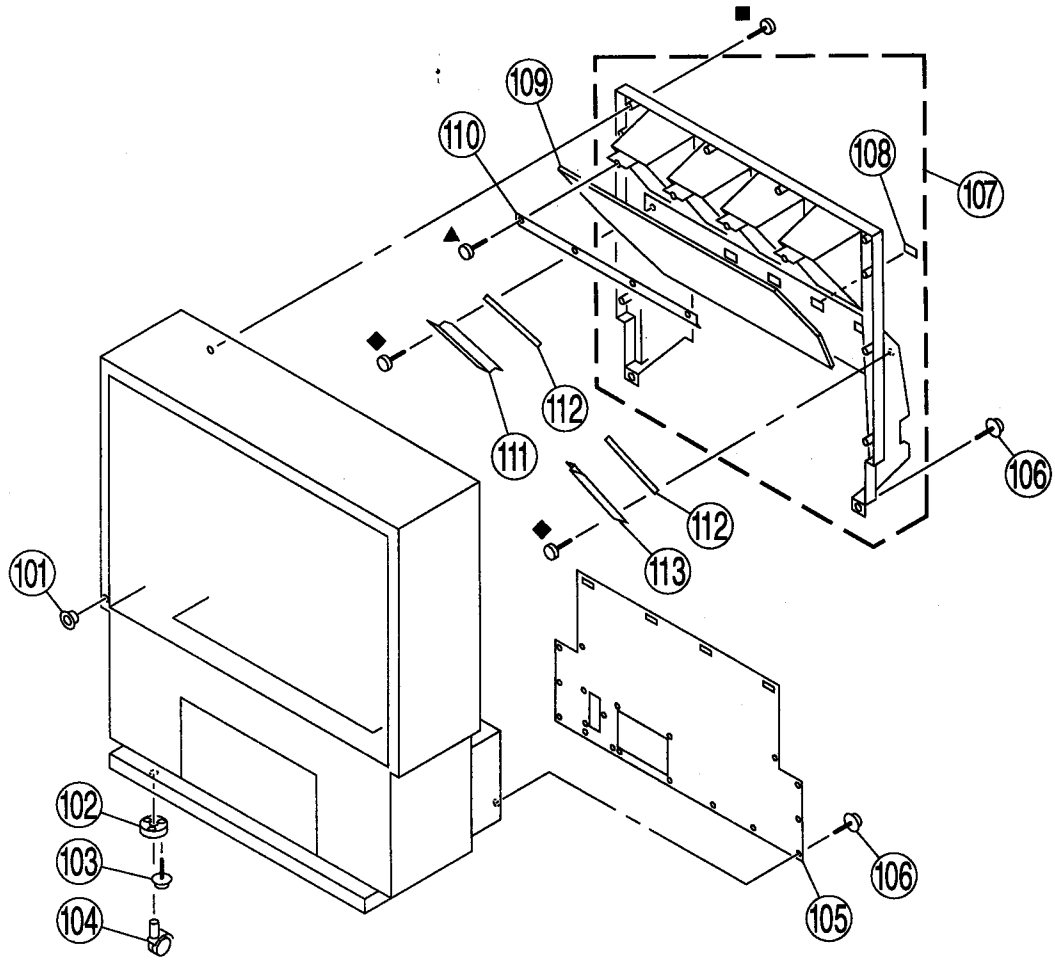


REF. NO.	PART NO.	DESCRIPTION	REMARK
51	X-4031-177-1	FRAME ASSY, SCREEN	
52	4-041-164-11	SCREW (4x20), TAPPING	
53	4-044-727-01	HOLDER (S), SCREEN	
54	4-044-726-01	HOLDER (L), SCREEN	
55	4-044-725-11	SCREEN (61), CONTRAST	
56	4-040-124-11	PLATE (L), DIFFUSION	
57	4-040-123-11	PLATE (F), DIFFUSION	
58	X-4033-008-1	GRILLE (B) ASSY, SPEAKER	59
59	4-838-438-00	LATCH	
60	X-4033-005-1	GRILLE (T/L) ASSY, SPEAKER	
61	1-504-756-11	SPEAKER (5CM)	
62	* 4-040-600-01	BRACKET, SPEAKER GRILLE	
63	X-4033-006-1	GRILLE (T/R) ASSY, SPEAKER	
64	1-504-964-11	SPEAKER (10CM)	
65	1-504-313-11	SPEAKER (16CM)	

REF. NO.	PART NO.	DESCRIPTION	REMARK
66	4-378-522-21	SCREW, TAPPING, HEXAGON HEAD	
67	* A-1372-141-A	HB BOARD, COMPLETE	
68	* A-1372-140-A	HA BOARD, COMPLETE	
69	* 4-389-517-01	GUIDE (R), LIGHT	
70	4-381-686-01	BRACKET (B), LIGHT GUIDE	
71	4-041-165-01	SCREW (3x12), TAPPING, +BV	
72	X-4033-120-1	PANEL ASSY, CONTROL	71, 73-79
73	4-040-584-01	COVER, EDGE	
74	4-036-511-31	LID, CONTROL	
75	3-703-035-11	SHAFT, LID	
76	4-392-036-01	CATCHER, PUSH	
77	4-036-510-21	PANEL, INDICATOR	
78	3-720-417-01	DAMPER, OIL	
79	4-036-513-01	SPRING, LID	

5-3. MIRROR

▲ : 7-685-661-79 +BVTP 4x12
■ : 7-685-663-79 +BVTP 4x16
◆ : 7-685-665-79 +BVTP 4x25



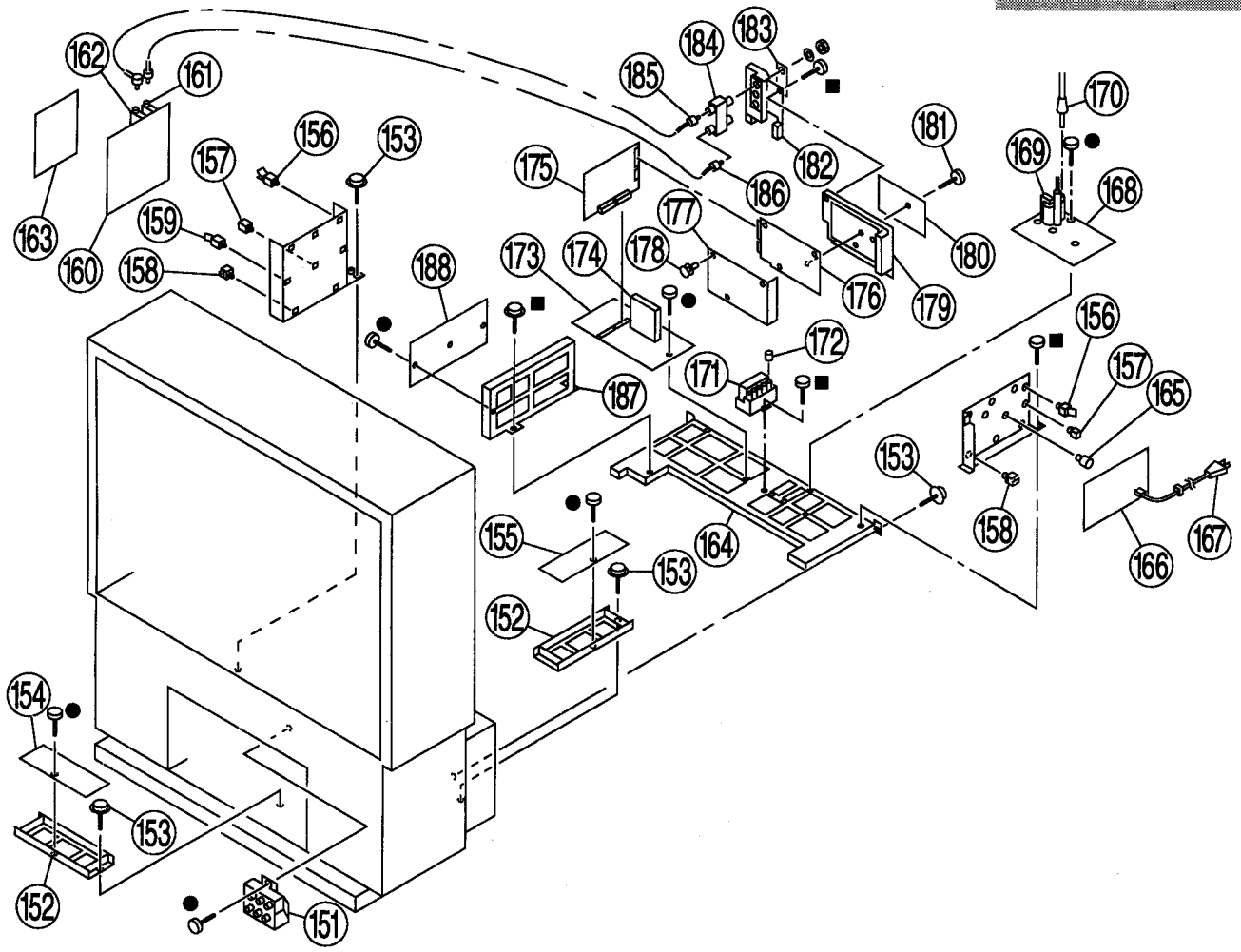
REF. NO.	PART NO.	DESCRIPTION	REMARK
101	4-838-438-00	LATCH	
102	4-030-850-01	SOCKET, CASTER	
103	4-378-522-01	SCREW, TAPPING, HEXAGON HEAD	
104	4-039-546-01	CASTER (KP-53XBR45)	
	4-040-508-01	CASTER (KP-61XBR48)	
105	* 4-050-374-01	BOARD, REAR (KP-61XBR48)	
	* 4-050-394-01	BOARD, REAR (KP-53XBR45)	
106	4-041-164-11	SCREW (4x20), TAPPING	
107	X-4033-048-1	COVER ASSY, MIRROR	108
108	4-048-150-01	CAP, HOLE	
109	4-050-388-01	MIRROR, REFLECTION	
110	* 4-037-351-01	HOLDER, MIRROR	
111	* 4-049-097-01	HOLDER (LEFT), SIDE	
112	* 4-049-098-01	CUSHION	
113	* 4-049-096-01	HOLDER (RIGHT), SIDE	

The componants identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

5-4. CHASSIS

● : 7-685-648-79 +BVTP 3x12
■ : 7-685-663-79 +BVTP 4x16



REF. NO.	PART NO.	DESCRIPTION	REMARK
151	⚠ 1-223-925-11	RESISTOR ASSY (HIGH-VOLTAGE)	
152	* 4-049-251-01	BRACKET, K	
153	4-041-164-11	SCREW (4x20), TAPPING	
154	* A-1380-498-A	K BOARD, COMPLETE (VAR) (KP-61XBR48)	
	* A-1380-499-A	K BOARD, COMPLETE (VAR) (KP-53XBR45)	
155	* A-1311-436-A	GB BOARD, COMPLETE	
156	* 3-703-141-00	HOLDER, BOARD	
157	* 4-382-848-01	HOLDER, BOARD	
158	* 3-659-682-11	HOLDER, BOARD	
159	* 4-321-929-00	HOLDER, BOARD	
160	* A-1297-539-A	AB BOARD, COMPLETE	
161	⚠ 8-598-254-00	TUNER (BTF-WA402)	
162	⚠ 8-598-047-11	TUNER, ET (BTF-LA401)	
163	* A-1394-673-A	X BOARD, COMPLETE	
164	* 4-047-949-01	BRACKET, MAIN BOARD	
165	* 3-687-542-41	SPACER, BOARD SPACE	
166	* A-1316-229-A	G BOARD, COMPLETE	
167	⚠ 1-769-837-11	CORD, POWER(WITH NOISE FILTER)	
168	* A-1341-885-A	E BOARD, COMPLETE	
169	⚠ 1-453-189-11	TRANSFORMER ASSY, FLYBACK (NX-2631A4S)	

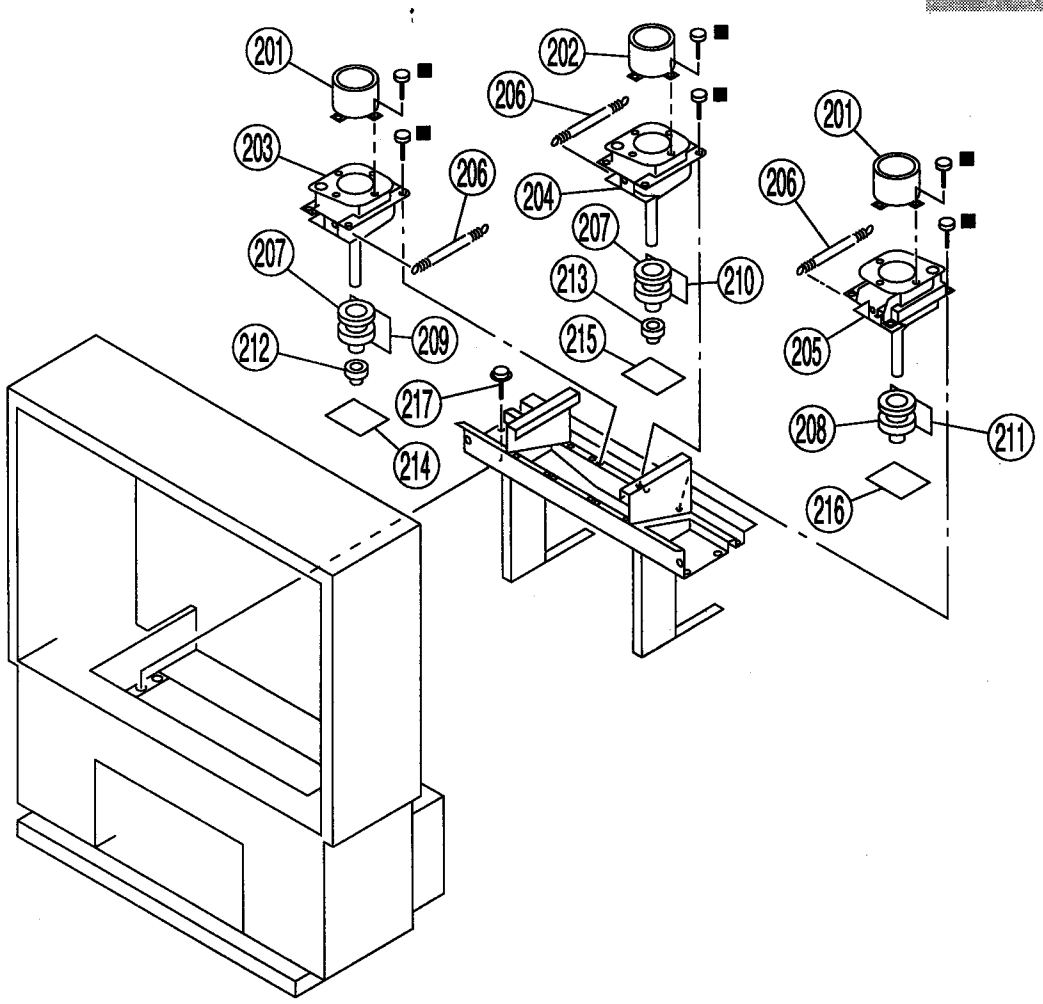
REF. NO.	PART NO.	DESCRIPTION	REMARK
170	⚠ 1-900-211-34	LEAD ASSY, HV	
171	⚠ 8-598-955-00	BLOCK ASSY, HIGH-VOLTAGE	
172	4-373-137-01	CAP (Z), RUBBER	
173	* A-1297-540-A	AA BOARD, COMPLETE (KP-53XBR45)	174
	* A-1297-622-A	AA BOARD, COMPLETE (KP-61XBR48)	174
174	* A-1195-092-A	P5 BOARD, COMPLETE	
175	* A-1306-507-A	M BOARD, COMPLETE	
176	* A-1373-526-A	U BOARD, COMPLETE	
177	* 4-050-387-01	PLATE, SHIELD, U	
178	4-051-678-01	RIVET, T TYPE	
179	4-047-951-21	TERMINAL BOARD (A)	
180	4-050-390-01	LABEL (A), TERMINAL	
181	4-041-165-01	SCREW (3x12), TAPPING, +BV	
182	4-047-952-11	TERMINAL BOARD (B)	
183	4-047-937-11	LABEL (B), TERMINAL	
184	1-251-321-11	SELECTOR, ANTENNA	
185	* 1-751-136-11	CABLE, PIN	
186	* 1-751-135-11	CABLE, PIN	
187	* 4-047-950-01	BRACKET, D BOARD	
188	* A-1346-296-A	D BOARD, COMPLETE	

The componants identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

5-5. PICTURE TUBE

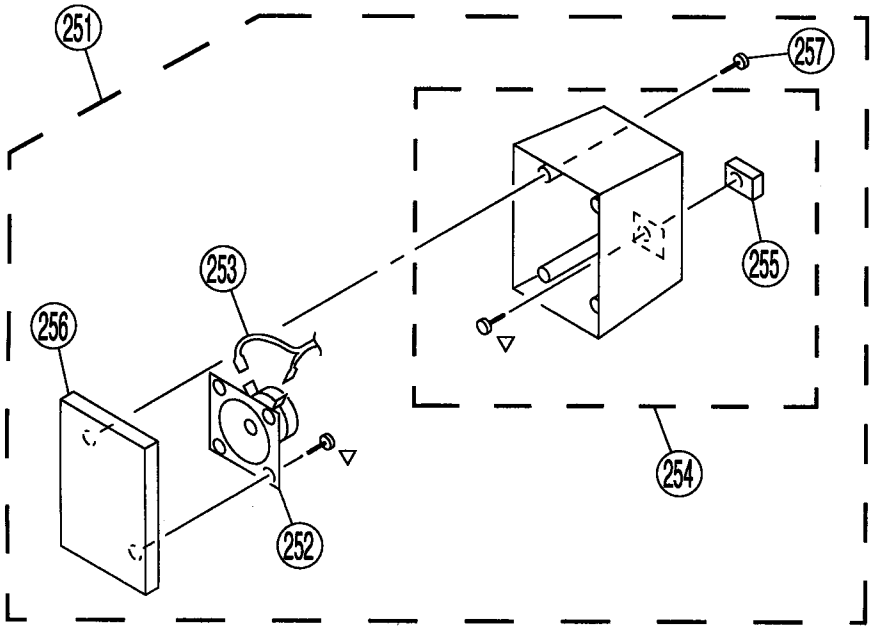
■ : 7-685-663-79 +BVTP 4x16



REF. NO.	PART NO.	DESCRIPTION	REMARK
201	4-040-131-01	LENS (LINNIT POINT 6)	
202	4-040-131-11	LENS (LINNIT POINT 6)	
203	⚠ 8-736-644-05	PICTURE TUBE 07MAC3(R) (LONG NECK)	
204	⚠ 8-736-642-05	PICTURE TUBE 07MAC2(G) (LONG NECK)	
205	⚠ 8-736-643-05	PICTURE TUBE 07MAC3(B) (LONG NECK)	
206	4-048-142-01	SPRING, TENSION	
207	⚠ 1-451-441-11	DEFLECTION YOKE, DY YS-35159 (R,G)	
208	⚠ 1-451-441-21	DEFLECTION YOKE, DY YS-35160 (B)	
209	* A-1390-487-A	ZR BOARD, COMPLETE	
210	* A-1390-489-A	ZG BOARD, COMPLETE	
211	* A-1390-491-A	ZB BOARD, COMPLETE	
212	⚠ 1-452-790-21	NECK ASSY	
213	⚠ 1-452-790-11	NECK ASSY	
214	* A-1331-501-A	CR BOARD, COMPLETE	
215	* A-1331-502-A	CG BOARD, COMPLETE	
216	* A-1331-503-A	CB BOARD, COMPLETE	
217	4-041-164-11	SCREW (4x20), TAPPING	

5-6. SPEAKER

▽ : 7-685-659-79 +BVTP 4x8



REF. NO.	PART NO.	DESCRIPTION	REMARK
251	A-4307-748-A	SS-SR151//C(A)(U)	252-257
252	1-504-877-11	SPEAKER (8CM)	
253	1-765-663-11	CORD	
254	X-4946-078-1	CABINET ASSY, SPEAKER	255
255	1-537-775-11	TERMINAL BOARD	
256	X-4946-077-1	PANEL ASSY, FRONT	
257	4-929-125-01	SCREW (M4x16), TAPPING	

SECTION 6
ELECTRICAL PARTS LIST

AB

NOTE:

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- The components identified by ⊠ in this manual have been carefully factory- selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS
- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

- CAPACITORS
  PF : μμ F
- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION			REMARK
	* A-1297-539-A	AB BOARD, COMPLETE **********			
		<CAPACITOR>			
C5212	1-164-161-11	CERAMIC CHIP	0.0022μF	10%	50V
C7003	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C7004	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C7012	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C7020	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C7021	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V
C7022	1-124-903-11	ELECT	1μF	20%	50V
C7023	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C7028	1-163-141-00	CERAMIC CHIP	0.001μF	5%	50V
C7029	1-126-933-11	ELECT	100μF	20%	16V
C7037	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C7038	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C7043	1-163-037-11	CERAMIC CHIP	0.022μF	10%	25V
C7045	1-126-967-11	ELECT	47μF	20%	16V
C7047	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C7048	1-163-102-00	CERAMIC CHIP	24PF	5%	50V
C7051	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C7056	1-126-964-11	ELECT	10μF	20%	50V
C7058	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C7068	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C7070	1-126-964-11	ELECT	10μF	20%	50V
C7203	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C7204	1-126-964-11	ELECT	10μF	20%	50V
C7205	1-126-933-11	ELECT	100μF	20%	16V
C7206	1-164-161-11	CERAMIC CHIP	0.0022μF	10%	50V
C7207	1-126-934-11	ELECT	220μF	20%	16V
C7208	1-124-122-11	ELECT	100μF	20%	50V
C7209	1-126-934-11	ELECT	220μF	20%	16V
C7210	1-126-964-11	ELECT	10μF	20%	50V
C7211	1-126-933-11	ELECT	100μF	20%	16V
C7212	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C7213	1-124-903-11	ELECT	1μF	20%	50V
C7214	1-124-903-11	ELECT	1μF	20%	50V
C7219	1-124-903-11	ELECT	1μF	20%	50V
C7225	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C7226	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V
C7227	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C7228	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C7229	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V
C7230	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C7239	1-163-037-11	CERAMIC CHIP	0.022μF	10%	25V
C7301	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C7302	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C7303	1-126-964-11	ELECT	10μF	20%	50V
C7304	1-126-964-11	ELECT	10μF	20%	50V
C7306	1-126-964-11	ELECT	10μF	20%	50V
C7307	1-126-933-11	ELECT	100μF	20%	16V
C7309	1-124-903-11	ELECT	1μF	20%	50V
C7310	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C7311	1-126-964-11	ELECT	10μF	20%	50V
C7312	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V
C7313	1-126-967-11	ELECT	47μF	20%	16V
C7315	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C7316	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C7317	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C7320	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V
C7321	1-126-964-11	ELECT	10μF	20%	50V
C7323	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C7324	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C7325	1-126-964-11	ELECT	10μF	20%	50V
C7326	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C7327	1-126-964-11	ELECT	10μF	20%	50V
C7328	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C7329	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C7330	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C7332	1-163-141-00	CERAMIC CHIP	0.001μF	5%	50V
C7333	1-164-695-11	CERAMIC CHIP	0.0022μF	5%	50V
C7334	1-164-232-11	CERAMIC CHIP	0.01μF	10%	50V
C7337	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C7338	1-126-964-11	ELECT	10μF	20%	50V
C7339	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C7418	1-126-935-11	ELECT	470μF	20%	16V
		<CONNECTOR>			
CN6001	* 1-564-510-11	PLUG, CONNECTOR 7P			
CN6002	* 1-564-507-11	PLUG, CONNECTOR 4P			
CN6003	* 1-564-508-11	PLUG, CONNECTOR 5P			
CN6004	* 1-564-513-11	PLUG, CONNECTOR 10P			
CN6005	* 1-564-513-11	PLUG, CONNECTOR 10P			
CN6006	* 1-564-509-11	PLUG, CONNECTOR 6P			
CN6007	* 1-770-680-11	CONNECTOR,BOARD TO BOARD(PLUG)			
CN6008	* 1-564-508-11	PLUG, CONNECTOR 5P			
CN6010	* 1-564-515-11	PLUG, CONNECTOR 12P			
CN6011	* 1-564-514-11	PLUG, CONNECTOR 11P			
CN6012	* 1-564-506-11	PLUG, CONNECTOR 3P			
		<DIODE>			
D7001	8-719-404-46	DIODE MA110			
D7002	8-719-404-46	DIODE MA110			
D7003	8-719-404-46	DIODE MA110			
D7004	8-719-404-46	DIODE MA110			
D7024	8-719-404-46	DIODE MA110			
D7025	8-719-404-46	DIODE MA110			
D7027	8-719-404-46	DIODE MA110			
D7028	8-719-404-46	DIODE MA110			
D7029	8-719-404-46	DIODE MA110			
D7202	8-719-043-13	DIODE MA3330-H-TX			

AB

REF. NO.	PART NO.	DESCRIPTION	REMARK
D7401	8-719-404-46	DIODE MA110	
D7402	8-719-404-46	DIODE MA110	
D7403	8-719-404-46	DIODE MA110	
D7404	8-719-404-46	DIODE MA110	
D7405	8-719-404-46	DIODE MA110	
D7406	8-719-404-46	DIODE MA110	
D7407	8-719-404-46	DIODE MA110	
		<IC>	
IC7001	8-752-869-30	IC CXP85340A-049S	
IC7003	8-759-280-74	IC ST24C02CB1	
IC7004	8-759-403-44	IC MN1280-S	
IC7201	8-759-300-71	IC HD14053BFP	
IC7301	8-759-335-14	IC HD6433947A05F	
IC7302	8-759-403-44	IC MN1280-S	
IC7303	8-759-335-18	IC MB90091-104	
IC7306	8-759-335-19	IC LH53171K	
IC7307	8-759-925-85	IC SN74HC32ANS	
IC7308	8-759-256-59	IC HD74HC00FPEL	
IC7309	8-759-925-90	IC SN74HC74ANS	
IC7310	8-759-256-59	IC HD74HC00FPEL	
		<COIL>	
L5204	1-408-408-00	INDUCTOR 8.2µH	
L7001	1-414-234-11	INDUCTOR, FERRITE BEAD	
L7006	1-408-414-00	INDUCTOR 27µH	
L7208	1-408-408-00	INDUCTOR 8.2µH	
L7301	1-414-234-11	INDUCTOR, FERRITE BEAD	
L7304	1-414-234-11	INDUCTOR, FERRITE BEAD	
		<TRANSISTOR>	
Q7001	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q7002	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q7003	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q7004	8-729-216-22	TRANSISTOR 2SA1162-G	
Q7013	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q7017	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q7022	8-729-216-22	TRANSISTOR 2SA1162-G	
Q7023	8-729-216-22	TRANSISTOR 2SA1162-G	
Q7024	8-729-216-22	TRANSISTOR 2SA1162-G	
Q7025	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q7026	8-729-216-22	TRANSISTOR 2SA1162-G	
Q7027	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q7201	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q7203	8-729-216-22	TRANSISTOR 2SA1162-G	
Q7204	8-729-216-22	TRANSISTOR 2SA1162-G	
Q7205	8-729-216-22	TRANSISTOR 2SA1162-G	
Q7206	8-729-216-22	TRANSISTOR 2SA1162-G	
Q7207	8-729-216-22	TRANSISTOR 2SA1162-G	
Q7210	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q7301	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q7303	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q7401	8-729-216-22	TRANSISTOR 2SA1162-G	
Q7531	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q7532	8-729-422-27	TRANSISTOR 2SD601A-Q	
		<RESISTOR>	
R5260	1-215-924-00	METAL OXIDE 15K 5% 3W F	
R5301	1-216-295-91	CONDUCTOR, CHIP	
R7001	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7002	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7004	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7005	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7006	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7007	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7008	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R7009	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7010	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7011	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7012	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7013	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7014	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7015	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7016	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7017	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7018	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7019	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7020	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7021	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7022	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7023	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7024	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7025	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7026	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7027	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R7028	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7029	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R7030	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R7031	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R7032	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R7033	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R7034	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R7035	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R7036	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R7037	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R7038	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R7039	1-216-121-91	METAL GLAZE 1M 5% 1/10W	
R7040	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R7041	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R7042	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R7043	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R7063	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R7064	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R7066	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7067	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7068	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7070	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7071	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7072	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7073	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7074	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7075	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7076	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7078	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R7080	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7082	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R7084	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7085	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R7086	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R7087	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7088	1-216-295-91	CONDUCTOR, CHIP	
R7089	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R7090	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R7091	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R7092	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R7093	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R7094	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R7096	1-216-295-91	CONDUCTOR, CHIP	
R7097	1-216-295-91	CONDUCTOR, CHIP	
R7099	1-216-295-91	CONDUCTOR, CHIP	
R7100	1-216-295-91	CONDUCTOR, CHIP	
R7106	1-216-295-91	CONDUCTOR, CHIP	

AB

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION		REMARK
R7114	1-216-295-91	CONDUCTOR, CHIP		
R7115	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R7116	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R7117	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R7118	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7119	1-216-037-00	METAL GLAZE 330	5%	1/10W
R7120	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R7125	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R7126	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7127	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7128	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R7129	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R7130	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R7132	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R7135	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R7136	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R7201	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W
R7202	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R7203	1-216-083-00	METAL GLAZE 27K	5%	1/10W
R7204	1-216-689-11	METAL GLAZE 39K	5%	1/10W
R7205	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7206	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7207	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7208	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7212	1-216-083-00	METAL GLAZE 27K	5%	1/10W
R7213	1-216-689-11	METAL GLAZE 39K	5%	1/10W
R7214	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7216	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7217	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R7219	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R7221	1-216-184-00	METAL GLAZE 270	5%	1/8W
R7222	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7231	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R7232	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R7236	1-216-295-91	CONDUCTOR, CHIP		
R7237	1-216-295-91	CONDUCTOR, CHIP		
R7244	1-216-295-91	CONDUCTOR, CHIP		
R7245	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7246	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7248	1-216-184-00	METAL GLAZE 270	5%	1/8W
R7249	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R7250	1-216-017-91	METAL GLAZE 47	5%	1/10W
R7252	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7254	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7259	1-216-295-91	CONDUCTOR, CHIP		
R7264	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R7266	1-216-295-91	CONDUCTOR, CHIP		
R7267	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7301	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7302	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7303	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7304	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7305	1-216-121-91	METAL GLAZE 1M	5%	1/10W
R7306	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R7307	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7308	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7309	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7310	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7311	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7312	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7313	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7314	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7315	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7316	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7317	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7318	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7319	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R7320	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R7321	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7323	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7324	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7325	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7330	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7331	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7332	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7333	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7334	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R7335	1-216-097-91	METAL GLAZE 100K	5%	1/10W
R7336	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7337	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7338	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7339	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7340	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7341	1-216-045-00	METAL GLAZE 680	5%	1/10W
R7342	1-216-035-00	METAL GLAZE 270	5%	1/10W
R7343	1-216-295-91	CONDUCTOR, CHIP		
R7345	1-216-045-00	METAL GLAZE 680	5%	1/10W
R7347	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R7348	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R7350	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7352	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7362	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7363	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7366	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7370	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7379	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7385	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7386	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7387	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7388	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7389	1-216-033-00	METAL GLAZE 220	5%	1/10W
R7392	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R7399	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R7421	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R7422	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7423	1-216-045-00	METAL GLAZE 680	5%	1/10W
R7424	1-216-045-00	METAL GLAZE 680	5%	1/10W
R7605	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7606	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7611	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R7625	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7626	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7631	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R7645	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7646	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7649	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7650	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7651	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R7652	1-216-025-91	METAL GLAZE 100	5%	1/10W
R7693	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R7694	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R7695	1-216-091-00	METAL GLAZE 56K	5%	1/10W
R7696	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R7697	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W

<TUNER>

TU7201 ⚠	8-598-254-00	TUNER BTF-WA402
TU7202 ⚠	8-598-047-11	TUNER BTF-LA401

<CRYSTAL>

X7001	1-760-817-11	VIBRATOR, CRYSTAL
X7301	1-567-925-11	VIBRATOR, CRYSTAL

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AA

REF. NO.	PART NO.	DESCRIPTION			REMARK
	* A-1297-540-A	AA BOARD, COMPLETE (KP-53XBR45) **********			
	* A-1297-622-A	AA BOARD, COMPLETE (KP-61XBR48) **********			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
		<CAPACITOR>			
C301	1-104-665-11	ELECT	100µF	20%	25V
C302	1-104-664-11	ELECT	47µF	20%	25V
C303	1-104-665-11	ELECT	100µF	20%	25V
C304	1-104-665-11	ELECT	100µF	20%	25V
C305	1-104-665-11	ELECT	100µF	20%	25V
C306	1-104-664-11	ELECT	47µF	20%	25V
C307	1-137-372-11	FILM	0.022µF	5%	50V
C308	1-137-374-11	FILM	0.047µF	5%	50V
C309	1-126-934-11	ELECT	220µF	20%	16V
C310	1-126-964-11	ELECT	10µF	20%	50V
C311	1-102-116-00	CERAMIC	680PF	10%	50V
C312	1-126-934-11	ELECT	220µF	20%	16V
C313	1-126-933-11	ELECT	100µF	20%	16V
C314	1-126-964-11	ELECT	10µF	20%	50V
C315	1-126-964-11	ELECT	10µF	20%	50V
C316	1-126-964-11	ELECT	10µF	20%	50V
C319	1-124-927-11	ELECT	4.7µF	20%	50V
C320	1-126-934-11	ELECT	220µF	20%	16V
C321	1-124-927-11	ELECT	4.7µF	20%	50V
C322	1-137-193-11	FILM	0.39µF	5%	50V
C323	1-130-489-00	FILM	0.033µF	5%	50V
C324	1-126-967-11	ELECT	47µF	20%	50V
C325	1-124-925-11	ELECT	2.2µF	20%	50V
C326	1-137-365-11	FILM	0.0015µF	5%	50V
C327	1-137-399-11	FILM	0.1µF	5%	50V
C328	1-137-399-11	FILM	0.1µF	5%	50V
C329	1-130-489-00	FILM	0.033µF	5%	50V
C330	1-137-399-11	FILM	0.1µF	5%	50V
C331	1-137-399-11	FILM	0.1µF	5%	50V
C332	1-124-903-11	ELECT	1µF	20%	50V
C333	1-124-902-00	ELECT	0.47µF	20%	50V
C334	1-124-902-00	ELECT	0.47µF	20%	50V
C335	1-131-363-00	TANTALUM	4.7µF	10%	16V
C336	1-131-363-00	TANTALUM	4.7µF	10%	16V
C337	1-124-902-00	ELECT	0.47µF	20%	50V
C338	1-124-902-00	ELECT	0.47µF	20%	50V
C339	1-124-903-11	ELECT	1µF	20%	50V
C340	1-126-934-11	ELECT	220µF	20%	16V
C341	1-131-363-00	TANTALUM	4.7µF	10%	16V
C342	1-131-363-00	TANTALUM	4.7µF	10%	16V
C343	1-126-964-11	ELECT	10µF	20%	50V
C344	1-136-167-00	FILM	0.15µF	5%	50V
C345	1-136-167-00	FILM	0.15µF	5%	50V
C346	1-131-368-00	TANTALUM	3.3µF	10%	16V
C347	1-131-368-00	TANTALUM	3.3µF	10%	16V
C348	1-136-167-00	FILM	0.15µF	5%	50V
C349	1-136-167-00	FILM	0.15µF	5%	50V
C350	1-104-664-11	ELECT	47µF	20%	25V
C353	1-107-698-11	ELECT	10µF	20%	25V
C354	1-137-366-11	FILM	0.0022µF	5%	50V
C355	1-137-366-11	FILM	0.0022µF	5%	50V
C356	1-104-664-11	ELECT	47µF	20%	25V
C359	1-107-698-11	ELECT	10µF	20%	25V
C360	1-137-366-11	FILM	0.0022µF	5%	50V
C361	1-137-366-11	FILM	0.0022µF	5%	50V
C362	1-126-965-11	ELECT	22µF	20%	50V
C363	1-126-965-11	ELECT	22µF	20%	50V
C364	1-107-698-11	ELECT	10µF	20%	25V
C365	1-107-698-11	ELECT	10µF	20%	25V

REF. NO.	PART NO.	DESCRIPTION			REMARK
C368	1-137-399-11	FILM	0.1µF	5%	50V
C369	1-137-399-11	FILM	0.1µF	5%	50V
C370	1-137-399-11	FILM	0.1µF	5%	50V
C371	1-137-399-11	FILM	0.1µF	5%	50V
C372	1-137-399-11	FILM	0.1µF	5%	50V
C373	1-137-399-11	FILM	0.1µF	5%	50V
C374	1-137-399-11	FILM	0.1µF	5%	50V
C375	1-137-399-11	FILM	0.1µF	5%	50V
C376	1-124-903-11	ELECT	1µF	20%	50V
C378	1-124-903-11	ELECT	1µF	20%	50V
C380	1-126-964-11	ELECT	10µF	20%	50V
C385	1-137-399-11	FILM	0.1µF	5%	50V
C387	1-124-120-11	ELECT	220µF	20%	25V
C388	1-124-120-11	ELECT	220µF	20%	25V
C389	1-126-964-11	ELECT	10µF	20%	50V
C390	1-126-964-11	ELECT	10µF	20%	50V
C501	1-124-902-00	ELECT	0.47µF	20%	50V
C502	1-104-664-11	ELECT	47µF	20%	25V
C503	1-137-370-11	FILM	0.01µF	5%	50V
C504	1-102-973-00	CERAMIC	100PF	5%	50V
C505	1-137-372-11	FILM	0.022µF	5%	50V
C506	1-123-024-21	ELECT	33µF		160V
C507	1-107-368-11	FILM	0.047µF	10%	200V
C508	1-107-638-11	ELECT	33µF	20%	160V
C509	1-107-368-11	FILM	0.047µF	10%	200V
C510	1-102-030-00	CERAMIC	330PF	10%	500V
C511	1-137-414-11	FILM	0.0047µF	10%	100V
C512	1-162-115-00	CERAMIC	330PF	10%	2KV
C513	1-136-598-11	FILM	3µF	5%	200V
C514	1-136-613-11	FILM	0.0068µF	3%	2KV
C515	1-162-114-00	CERAMIC	0.0047µF		2KV
C516	1-107-719-11	ELECT	220µF	20%	50V
C517	1-126-971-11	ELECT	470µF	20%	50V
C518	1-126-971-11	ELECT	470µF	20%	50V
C519	1-124-903-11	ELECT	1µF	20%	50V
		<CONNECTOR>			
CN301	* 1-564-513-11	PLUG, CONNECTOR 10P			
CN302	* 1-564-509-11	PLUG, CONNECTOR 6P			
CN303	* 1-564-513-11	PLUG, CONNECTOR 10P			
CN304	1-573-298-21	CONNECTOR, BOARD TO BOARD 20P			
CN305	1-573-298-21	CONNECTOR, BOARD TO BOARD 20P			
CN306	* 1-564-510-11	PLUG, CONNECTOR 7P			
CN307	* 1-564-509-11	PLUG, CONNECTOR 6P			
CN308	1-695-915-11	TAB (CONTACT)			
CN311	* 1-691-134-11	PIN, CONNECTOR (PC BOARD) 2P			
CN312	* 1-573-986-11	PIN, CONNECTOR (PC BOARD) 5P			
CN511	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P			
CN527	* 1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P			
CN528	1-695-915-11	TAB (CONTACT)			
CN541	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P			
CN571	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P			
		<DIODE>			
D301	8-719-991-33	DIODE 1SS133T-77			
D302	8-719-991-33	DIODE 1SS133T-77			
D303	8-719-991-33	DIODE 1SS133T-77			
D304	8-719-110-56	DIODE RD22ESB1			
D305	8-719-110-56	DIODE RD22ESB1			
D313	8-719-991-33	DIODE 1SS133T-77			
D501	8-719-991-33	DIODE 1SS133T-77			
D502	8-719-109-72	DIODE RD3.9ESB2			
D504	8-719-991-33	DIODE 1SS133T-77			
D505	8-719-991-33	DIODE 1SS133T-77			
D506	8-719-300-80	DIODE RU-1C			
D507	8-719-018-82	DIODE RGP02-20EL-6394			
D509	8-719-900-95	DIODE V09G (KP-53XBR45)			

AA P5

REF. NO.	PART NO.	DESCRIPTION	REMARK
D510	8-719-900-95	DIODE V09G (KP-53XBR45)	
D511	8-719-991-33	DIODE 1SS133T-77	
		<IC>	
IC301	8-759-069-28	IC PQ05RF11	
IC302	8-759-095-63	IC PQ09RF2	
IC303	8-759-231-58	IC TA7812S	
IC304	8-759-248-74	IC LA2785	
IC305	8-759-341-23	IC LV1011	
IC306	8-759-264-31	IC TDA7315	
IC307	8-759-264-31	IC TDA7315	
IC309	8-759-145-58	IC uPC4558C	
		<COIL>	
L501	1-411-189-11	COIL, CHOKE 15mH	
L503	1-406-832-11	COIL,HORIZONTAL LINEARITY(HLC)	
L504	1-410-470-11	INDUCTOR 10µH	
		<TRANSISTOR>	
Q312	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q502	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q503	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q504	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q505	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q506	8-729-201-32	TRANSISTOR 2SA1013-O	
Q507	8-729-304-92	TRANSISTOR 2SB649A-C	
Q508	8-729-201-32	TRANSISTOR 2SA1013-O	
Q509	8-729-010-98	TRANSISTOR 2SA1492M-OPY	
Q510	8-729-021-48	TRANSISTOR 2SD2348LBSONY	
Q511	8-729-119-76	TRANSISTOR 2SA1175-HFE	
		<RESISTOR>	

R301	1-247-807-31	CARBON	100	5%	1/4W	
R302	1-247-807-31	CARBON	100	5%	1/4W	
R303	1-247-807-31	CARBON	100	5%	1/4W	
R304	1-247-903-00	CARBON	1M	5%	1/4W	
R305	1-247-807-31	CARBON	100	5%	1/4W	
R306	1-247-807-31	CARBON	100	5%	1/4W	
R307	1-247-807-31	CARBON	100	5%	1/4W	
R308	1-249-436-11	CARBON	39K	5%	1/4W	
R310	1-249-432-11	CARBON	18K	5%	1/4W	
R311	1-249-436-11	CARBON	39K	5%	1/4W	
R312	1-249-413-11	CARBON	470	5%	1/4W	
R314	1-249-413-11	CARBON	470	5%	1/4W	
R321	1-249-437-11	CARBON	47K	5%	1/4W	
R327	1-215-462-00	METAL	51K	1%	1/4W	
R328	1-249-437-11	CARBON	47K	5%	1/4W	
R330	1-247-807-31	CARBON	100	5%	1/4W	
R331	1-247-807-31	CARBON	100	5%	1/4W	
R332	1-215-462-00	METAL	51K	1%	1/4W	
R334	1-247-807-31	CARBON	100	5%	1/4W	
R335	1-247-807-31	CARBON	100	5%	1/4W	
R339	1-249-430-11	CARBON	12K	5%	1/4W	
R340	1-249-426-11	CARBON	5.6K	5%	1/4W	
R341	1-249-426-11	CARBON	5.6K	5%	1/4W	
R342	1-249-448-11	CARBON	1.2	5%	1/4W	F
R343	1-249-426-11	CARBON	5.6K	5%	1/4W	
R344	1-249-426-11	CARBON	5.6K	5%	1/4W	
R345	1-249-429-11	CARBON	10K	5%	1/4W	
R346	1-249-430-11	CARBON	12K	5%	1/4W	
R347	1-249-429-11	CARBON	10K	5%	1/4W	
R348	1-216-387-11	METAL OXIDE	0.68	5%	3W	F
R376	1-249-417-11	CARBON	1K	5%	1/4W	
R378	1-249-429-11	CARBON	10K	5%	1/4W	

REF. NO.	PART NO.	DESCRIPTION			REMARK
R380	1-249-427-11	CARBON	6.8K	5%	1/4W
R381	1-249-427-11	CARBON	6.8K	5%	1/4W
R501	1-249-421-11	CARBON	2.2K	5%	1/4W
R502	1-249-429-11	CARBON	10K	5%	1/4W
R503	1-249-441-11	CARBON	100K	5%	1/4W
R504	1-249-429-11	CARBON	10K	5%	1/4W
R505	1-215-437-00	METAL	4.7K	1%	1/4W
R506	1-215-433-00	METAL	3.3K	1%	1/4W
R507	1-249-407-11	CARBON	150	5%	1/4W
R508	1-215-429-00	METAL	2.2K	1%	1/4W
R509	1-249-423-11	CARBON	3.3K	5%	1/4W
R510	1-249-417-11	CARBON	1K	5%	1/4W
R511	1-247-895-91	CARBON	470K	5%	1/4W
R512	1-215-925-11	METAL OXIDE	22K	5%	3W F
R513	1-215-900-11	METAL OXIDE	22K	5%	2W F
R514	1-249-421-11	CARBON	2.2K	5%	1/4W F
R515	1-215-925-11	METAL OXIDE	22K	5%	3W F
R516	1-249-430-11	CARBON	12K	5%	1/4W F
R517	1-249-429-11	CARBON	10K	5%	1/4W
R518	1-249-427-11	CARBON	6.8K	5%	1/4W F
R519	1-249-417-11	CARBON	1K	5%	1/4W
R520	1-249-423-11	CARBON	3.3K	5%	1/4W F
R521	1-249-437-11	CARBON	47K	5%	1/4W
R522	1-249-417-11	CARBON	1K	5%	1/4W F
R523	1-249-426-11	CARBON	5.6K	5%	1/4W F
R524	1-215-925-11	METAL OXIDE	22K	5%	3W F
R525	1-216-373-11	METAL OXIDE	2.2	5%	2W F
R526	1-216-478-11	METAL OXIDE	390	5%	3W F
R528	1-216-477-11	METAL OXIDE	270	5%	3W F (KP-53XBR45)
R529	1-216-477-11	METAL OXIDE	270	5%	3W F (KP-53XBR45)
R530	1-216-477-11	METAL OXIDE	270	5%	3W F (KP-53XBR45)
R531	1-216-477-11	METAL OXIDE	270	5%	3W F (KP-53XBR45)
R532	1-215-442-00	METAL	7.5K	1%	1/4W
R533	1-215-443-00	METAL	8.2K	1%	1/4W
R534	1-215-437-00	METAL	4.7K	1%	1/4W
		<RELAY>			
RY301	1-755-028-11	RELAY			
		<TRANSFORMER>			
T501	1-437-078-00	TRANSFORMER, HORIZONTAL DRIVE			
		<CRYSTAL>			
X301	1-579-125-11	VIBRATOR, CERAMIC			

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* A-1195-092-A	P5 BOARD, COMPLETE	
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3-531-576-21	RIVET	
3-741-396-01	INSULATOR	
	<CAPACITOR>	

C2001	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2002	1-126-967-11	ELECT	47µF	20%	16V
C2003	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C2004	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C2005	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2006	1-163-038-91	CERAMIC CHIP	0.1µF		25V

REF. NO.	PART NO.	DESCRIPTION			REMARK
C2008	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C2009	1-126-933-11	ELECT	100µF	20%	10V
C2010	1-163-253-11	CERAMIC CHIP	120PF	5%	50V
C2012	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2013	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2014	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C2015	1-126-967-11	ELECT	47µF	20%	16V
C2016	1-126-964-11	ELECT	10µF	20%	50V
C2017	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2018	1-126-964-11	ELECT	10µF	20%	50V
C2019	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2020	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2021	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2022	1-124-903-11	ELECT	1µF	20%	50V
C2023	1-124-903-11	ELECT	1µF	20%	50V
C2024	1-126-964-11	ELECT	10µF	20%	50V
C2025	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C2026	1-163-275-11	CERAMIC CHIP	0.001µF	5%	50V
C2027	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C2028	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C2029	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C2030	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C2031	1-163-145-00	CERAMIC CHIP	0.0015µF	5%	50V
C2032	1-124-902-00	ELECT	0.47µF	20%	50V
C2034	1-163-241-11	CERAMIC CHIP	39PF	5%	50V
C2035	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2036	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2037	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2038	1-124-927-11	ELECT	4.7µF	20%	50V
C2040	1-126-967-11	ELECT	47µF	20%	16V
C2042	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C2043	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C2044	1-124-927-11	ELECT	4.7µF	20%	50V
C2045	1-126-967-11	ELECT	47µF	20%	16V
C2046	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C2047	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C2048	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C2049	1-126-967-11	ELECT	47µF	20%	16V
C2050	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C2051	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2055	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C2056	1-126-964-11	ELECT	10µF	20%	50V
C2057	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C2058	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C2059	1-126-964-11	ELECT	10µF	20%	50V
C2060	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C2067	1-164-346-11	CERAMIC CHIP	1µF		16V
C2072	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2073	1-124-903-11	ELECT	1µF	20%	50V
C2074	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2076	1-126-967-11	ELECT	47µF	20%	16V
C2077	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C2078	1-126-964-11	ELECT	10µF	20%	50V
C2080	1-163-145-00	CERAMIC CHIP	0.0015µF	5%	50V
C2081	1-163-253-11	CERAMIC CHIP	120PF	5%	50V
C2082	1-126-967-11	ELECT	47µF	20%	16V
C2083	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2085	1-164-346-11	CERAMIC CHIP	1µF		16V
C2086	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C2087	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2088	1-126-964-11	ELECT	10µF	20%	50V
C2089	1-163-145-00	CERAMIC CHIP	0.0015µF	5%	50V
C2090	1-164-346-11	CERAMIC CHIP	1µF		16V
C2092	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2093	1-126-964-11	ELECT	10µF	20%	50V
C2094	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2096	1-126-967-11	ELECT	47µF	20%	16V
C2097	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2098	1-126-967-11	ELECT	47µF	20%	16V
C2099	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2101	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2102	1-126-967-11	ELECT	47µF	20%	16V
C2103	1-163-038-91	CERAMIC CHIP	0.1µF		25V
		<CONNECTOR>			
CN2001	1-764-144-11	PIN, CONNECTOR (PC BOARD) 12P			
		<DIODE>			
D2001	8-719-988-62	DIODE 1SS355			
D2002	8-719-988-62	DIODE 1SS355			
		<FERRITE BEAD>			
FB2001	1-543-775-11	FILTER, EMI			
FB2003	1-543-775-11	FILTER, EMI			
FB2005	1-414-234-11	INDUCTOR, FERRITE BEAD			
FB2006	1-414-234-11	INDUCTOR, FERRITE BEAD			
FB2007	1-414-235-11	INDUCTOR, FERRITE BEAD			
		<FILTER>			
FL2001	1-239-847-11	FILTER, LOW PASS			
FL2003	1-239-847-11	FILTER, LOW PASS			
FL2004	1-239-847-11	FILTER, LOW PASS			
FL2008	1-239-384-11	FILTER, EMI			
FL2009	1-239-384-11	FILTER, EMI			
FL2010	1-239-384-11	FILTER, EMI			
		<IC>			
IC2001	8-759-161-24	IC uPC659AGS-E2			
IC2002	8-759-296-53	IC uPC1862GS-E2			
IC2005	8-759-296-51	IC uPD6486GF-3BA			
IC2006	8-759-161-22	IC uPD42280GU-60-E2			
IC2007	8-759-297-80	IC MSM514222B-30GS-KR1			
		<COIL>			
L2001	1-410-204-31	INDUCTOR CHIP 10µH			
L2002	1-410-193-51	INDUCTOR CHIP 1.2µH			
L2003	1-410-193-51	INDUCTOR CHIP 1.2µH			
L2004	1-410-193-51	INDUCTOR CHIP 1.2µH			
L2005	1-410-193-51	INDUCTOR CHIP 1.2µH			
L2006	1-410-193-51	INDUCTOR CHIP 1.2µH			
L2009	1-414-042-21	INDUCTOR 18µH			
L2010	1-414-042-21	INDUCTOR 18µH			
L2011	1-414-042-21	INDUCTOR 18µH			
L2013	1-410-193-51	INDUCTOR CHIP 1.2µH			
L2014	1-410-193-51	INDUCTOR CHIP 1.2µH			
		<TRANSISTOR>			
Q2001	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2002	8-729-216-22	TRANSISTOR 2SA1162-G			
Q2004	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2005	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2006	8-729-216-22	TRANSISTOR 2SA1162-G			
Q2007	8-729-216-22	TRANSISTOR 2SA1162-G			
Q2009	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2010	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2011	8-729-216-22	TRANSISTOR 2SA1162-G			
Q2015	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2016	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2017	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2019	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2020	8-729-120-28	TRANSISTOR 2SC1623-L5L6			

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REF. NO.	PART NO.	DESCRIPTION			REMARK
Q2021	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2022	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2023	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2024	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2025	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2026	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
		<RESISTOR>			
R2001	1-216-295-91	CONDUCTOR, CHIP			
R2004	1-216-025-91	METAL GLAZE	100	5%	1/10W
R2005	1-216-025-91	METAL GLAZE	100	5%	1/10W
R2006	1-216-023-00	METAL GLAZE	82	5%	1/10W
R2007	1-216-023-00	METAL GLAZE	82	5%	1/10W
R2008	1-216-023-00	METAL GLAZE	82	5%	1/10W
R2009	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2010	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R2011	1-216-001-00	METAL GLAZE	10	5%	1/10W
R2012	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2014	1-216-041-00	METAL GLAZE	470	5%	1/10W
R2015	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R2016	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W
R2017	1-216-025-91	METAL GLAZE	100	5%	1/10W
R2018	1-216-023-00	METAL GLAZE	82	5%	1/10W
R2019	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R2020	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R2021	1-216-045-00	METAL GLAZE	680	5%	1/10W
R2022	1-216-025-91	METAL GLAZE	100	5%	1/10W
R2023	1-216-009-00	METAL GLAZE	22	5%	1/10W
R2024	1-216-025-91	METAL GLAZE	100	5%	1/10W
R2026	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R2027	1-216-638-11	METAL CHIP	300	0.50%	1/10W
R2028	1-208-800-11	METAL CHIP	5.6K	0.50%	1/10W
R2030	1-216-063-91	METAL GLAZE	3.9K	5%	1/10W
R2032	1-208-774-11	METAL CHIP	470	0.50%	1/10W
R2033	1-216-001-00	METAL GLAZE	10	5%	1/10W
R2036	1-216-039-00	METAL GLAZE	390	5%	1/10W
R2037	1-216-039-00	METAL GLAZE	390	5%	1/10W
R2039	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R2042	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2044	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R2045	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R2046	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R2047	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2048	1-216-033-00	METAL GLAZE	220	5%	1/10W
R2049	1-216-033-00	METAL GLAZE	220	5%	1/10W
R2050	1-216-133-00	METAL GLAZE	3.3M	5%	1/10W
R2055	1-216-035-00	METAL GLAZE	270	5%	1/10W
R2061	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R2062	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R2066	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R2068	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R2073	1-216-035-00	METAL GLAZE	270	5%	1/10W
R2076	1-208-775-11	METAL CHIP	510	0.50%	1/10W
R2077	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
R2082	1-216-627-11	METAL CHIP	100	0.50%	1/10W
R2087	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R2089	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R2090	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R2091	1-216-029-00	METAL GLAZE	150	5%	1/10W
R2092	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R2093	1-216-045-00	METAL GLAZE	680	5%	1/10W
R2098	1-216-664-11	METAL CHIP	3.6K	0.50%	1/10W
R2099	1-216-656-11	METAL CHIP	1.6K	0.50%	1/10W
R2100	1-216-650-11	METAL CHIP	910	0.50%	1/10W
R2102	1-216-045-00	METAL GLAZE	680	5%	1/10W
R2103	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R2104	1-216-001-00	METAL GLAZE	10	5%	1/10W
R2105	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R2106	1-216-295-91	CONDUCTOR, CHIP			
R2107	1-216-025-91	METAL GLAZE	100	5%	1/10W
R2108	1-216-634-11	METAL CHIP	200	0.50%	1/10W
R2109	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R2110	1-216-295-91	CONDUCTOR, CHIP			
R2111	1-216-031-00	METAL GLAZE	180	5%	1/10W
R2112	1-216-043-91	METAL GLAZE	560	5%	1/10W
R2113	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R2114	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R2115	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R2117	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2119	1-216-041-00	METAL GLAZE	470	5%	1/10W
R2120	1-216-039-00	METAL GLAZE	390	5%	1/10W
R2121	1-216-041-00	METAL GLAZE	470	5%	1/10W
R2123	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R2124	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R2125	1-216-001-00	METAL GLAZE	10	5%	1/10W
R2126	1-216-295-91	CONDUCTOR, CHIP			
R2127	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R2128	1-216-043-91	METAL GLAZE	560	5%	1/10W
R2129	1-216-025-91	METAL GLAZE	100	5%	1/10W
R2130	1-216-634-11	METAL CHIP	200	0.50%	1/10W
R2131	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R2132	1-216-295-91	CONDUCTOR, CHIP			
R2133	1-216-637-11	METAL CHIP	270	0.50%	1/10W
R2134	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R2135	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R2136	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R2138	1-216-039-00	METAL GLAZE	390	5%	1/10W
R2139	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2141	1-216-039-00	METAL GLAZE	390	5%	1/10W
R2144	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R2146	1-216-033-00	METAL GLAZE	220	5%	1/10W
R2149	1-216-017-91	METAL GLAZE	47	5%	1/10W
R2150	1-216-017-91	METAL GLAZE	47	5%	1/10W
R2152	1-216-017-91	METAL GLAZE	47	5%	1/10W
R2153	1-216-295-91	CONDUCTOR, CHIP			
		<VARIABLE RESISTOR>			
RV2002	1-238-240-11	RES, ADJ, CERMET 220			
		<CRYSTAL>			
X2001	1-579-583-11	VIBRATOR, CERAMIC			
X2002	1-527-722-00	OSCILLATOR, CRYSTAL			

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* A-1306-507-A M BOARD, COMPLETE
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		<CAPACITOR>			
C3003	1-126-967-11	ELECT	47µF	20%	50V
C3018	1-136-169-00	FILM	0.22µF	5%	50V
C3039	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C3040	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C3042	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C3043	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C3044	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3045	1-126-940-11	ELECT	330µF	20%	16V
C3046	1-163-102-00	CERAMIC CHIP	24PF	5%	50V
C3047	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C3052	1-163-037-11	CERAMIC CHIP	0.022µF	10%	25V
C3060	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3061	1-126-916-11	ELECT	1000µF	20%	6.3V

REF. NO.	PART NO.	DESCRIPTION			REMARK
C3062	1-126-964-11	ELECT	10µF	20%	50V
C3063	1-126-964-11	ELECT	10µF	20%	50V
C3064	1-126-964-11	ELECT	10µF	20%	50V
C3065	1-126-965-11	ELECT	22µF	20%	50V
C3066	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C3067	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C3068	1-124-925-11	ELECT	2.2µF	20%	50V
C3070	1-126-935-11	ELECT	470µF	20%	16V
C3071	1-126-934-11	ELECT	220µF	20%	16V
C3072	1-126-964-11	ELECT	10µF	20%	50V
C3073	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3074	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3075	1-126-967-11	ELECT	47µF	20%	16V
C3076	1-124-902-00	ELECT	0.47µF	20%	50V
C3077	1-124-925-11	ELECT	2.2µF	20%	50V
C3078	1-124-902-00	ELECT	0.47µF	20%	50V
C3080	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C3081	1-124-927-11	ELECT	4.7µF	20%	50V
C3082	1-124-903-11	ELECT	1µF	20%	50V
C3083	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C3084	1-124-903-11	ELECT	1µF	20%	50V
C3085	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C3086	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C3087	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C3088	1-163-019-00	CERAMIC CHIP	0.0068µF	10%	50V
C3089	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C3092	1-124-927-11	ELECT	4.7µF	20%	50V
C3093	1-124-902-00	ELECT	0.47µF	20%	50V
C3094	1-124-902-00	ELECT	0.47µF	20%	50V
C3095	1-124-902-00	ELECT	0.47µF	20%	50V
C3099	1-124-903-11	ELECT	1µF	20%	50V
C3100	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C3101	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C3102	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C3103	1-126-933-11	ELECT	100µF	20%	16V
C3104	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C3105	1-124-902-00	ELECT	0.47µF	20%	50V
C3106	1-126-940-11	ELECT	330µF	20%	16V
C3107	1-126-964-11	ELECT	10µF	20%	50V
C3108	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C3109	1-126-965-11	ELECT	22µF	20%	50V
C3110	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C3111	1-104-664-11	ELECT	47µF	20%	25V
C3112	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C3114	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C3119	1-126-964-11	ELECT	10µF	20%	50V
C3120	1-126-964-11	ELECT	10µF	20%	50V
C3121	1-126-935-11	ELECT	470µF	20%	16V
C3123	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C3124	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C3125	1-126-964-11	ELECT	10µF	20%	50V
C3127	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C3129	1-126-964-11	ELECT	10µF	20%	50V
C3130	1-126-967-11	ELECT	47µF	20%	50V
C3135	1-126-967-11	ELECT	47µF	20%	16V
C3136	1-124-927-11	ELECT	4.7µF	20%	50V
C3137	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C3138	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3139	1-126-967-11	ELECT	47µF	20%	16V
C3140	1-107-714-11	ELECT	10µF	20%	16V

<CONNECTOR>

CN3000	*1-564-507-11	PLUG, CONNECTOR 4P	
CN3001	*1-564-510-11	PLUG, CONNECTOR 7P	
CN3002	*1-564-508-11	PLUG, CONNECTOR 5P	
CN3003	*1-564-509-11	PLUG, CONNECTOR 6P	
CN3004	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P	
CN3005	*1-564-512-11	PLUG, CONNECTOR 9P	
CN3006	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P	
CN3007	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P	
CN3008	*1-564-516-11	PLUG, CONNECTOR 13P	
CN3009	*1-564-509-11	PLUG, CONNECTOR 6P	
CN3010	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)	
CN3011	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)	
CN3012	*1-564-509-11	PLUG, CONNECTOR 6P	
CN3013	*1-564-515-11	PLUG, CONNECTOR 12P	
CN3014	*1-564-514-11	PLUG, CONNECTOR 11P	
CN3015	*1-564-508-11	PLUG, CONNECTOR 5P	

<DIODE>

D3000	8-719-404-46	DIODE MA110
D3001	8-719-404-46	DIODE MA110
D3002	8-719-404-46	DIODE MA110
D3003	8-719-404-46	DIODE MA110
D3004	8-719-404-46	DIODE MA110
D3005	8-719-404-46	DIODE MA110
D3007	8-719-422-46	DIODE MA8056
D3008	8-719-422-46	DIODE MA8056
D3009	8-719-404-46	DIODE MA110
D3010	8-719-404-46	DIODE MA110
D3011	8-719-109-88	DIODE RD5.6ESB1
D3016	8-719-400-75	DIODE MA3091
D3017	8-719-106-62	DIODE RD11M-B2
D3018	8-719-105-82	DIODE RD5.1M-B2
D3019	8-719-106-62	DIODE RD11M-B2
D3020	8-719-106-62	DIODE RD11M-B2
D3021	8-719-106-62	DIODE RD11M-B2
D3022	8-719-404-46	DIODE MA110
D3023	8-719-106-62	DIODE RD11M-B2
D3026	8-719-105-91	DIODE RD5.6M-B2
D3027	8-719-404-46	DIODE MA110
D3028	8-719-404-46	DIODE MA110
D3029	8-719-404-46	DIODE MA110
D3030	8-719-106-62	DIODE RD11M-B2
D3033	8-719-404-46	DIODE MA110
D3034	8-719-404-46	DIODE MA110
D3035	8-719-404-46	DIODE MA110
D3036	8-719-404-46	DIODE MA110
D3038	8-719-404-46	DIODE MA110
D3039	8-719-404-46	DIODE MA110
D3041	8-719-404-46	DIODE MA110
D3042	8-719-404-46	DIODE MA110
D3043	8-719-400-71	DIODE MA3082
D3044	8-719-404-46	DIODE MA110
D3045	8-719-404-46	DIODE MA110
D3046	8-719-404-46	DIODE MA110
D3049	8-719-404-46	DIODE MA110
D3050	8-719-404-46	DIODE MA110
D3051	8-719-404-46	DIODE MA110
D3052	8-719-404-46	DIODE MA110
D3053	8-719-404-46	DIODE MA110

<IC>

IC3000	8-752-863-95	IC CXP85324A-039S
IC3001	8-759-069-28	IC PQ05RF11
IC3002	8-759-518-23	IC X24C04S8
IC3003	8-759-710-86	IC NJM2233BM
IC3004	8-759-710-86	IC NJM2233BM
IC3005	8-752-063-50	IC CXA1477AS
IC3007	8-759-403-44	IC MN1280-S

<COIL>

M

REF. NO.	PART NO.	DESCRIPTION	REMARK
L3000	1-408-414-00	INDUCTOR 27µH	
L3004	1-414-234-11	INDUCTOR, FERRITE BEAD	
L3008	1-408-413-00	INDUCTOR 22µH	
L3009	1-408-416-00	INDUCTOR 39µH	
L3010	1-408-409-00	INDUCTOR 10µH	
		<TRANSISTOR>	
Q3000	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3001	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3002	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3003	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3004	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3005	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3006	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3013	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3014	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3015	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3016	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3017	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3018	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3019	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3020	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3021	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3022	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3023	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3024	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3025	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3026	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3027	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3028	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3029	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3030	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3031	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3032	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3033	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3038	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3043	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3045	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3046	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3048	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3049	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3050	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3051	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3052	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3053	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3054	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3055	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3056	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3057	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3058	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3059	8-729-216-22	TRANSISTOR 2SA1162-G	
		<RESISTOR>	
R3000	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R3001	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R3002	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R3003	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3004	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R3005	1-216-093-00	METAL GLAZE 68K 5%	1/10W
R3006	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R3007	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R3008	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R3009	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R3010	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R3011	1-216-097-91	METAL GLAZE 100K 5%	1/10W
R3012	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R3013	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R3014	1-216-089-91	METAL GLAZE 47K 5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK
R3015	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R3016	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R3017	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3018	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3020	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R3024	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3025	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3027	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3028	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3029	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3031	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3032	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3033	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3034	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3035	1-216-041-00	METAL GLAZE 470 5%	1/10W
R3036	1-216-023-00	METAL GLAZE 82 5%	1/10W
R3037	1-216-097-91	METAL GLAZE 100K 5%	1/10W
R3038	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R3039	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R3040	1-216-097-91	METAL GLAZE 100K 5%	1/10W
R3041	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3047	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3048	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3049	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3050	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3051	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3052	1-216-295-91	CONDUCTOR, CHIP	
R3055	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R3056	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R3058	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R3059	1-216-025-91	METAL GLAZE 100 5%	1/10W
R3060	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R3061	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R3063	1-216-295-91	CONDUCTOR, CHIP	
R3064	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R3065	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R3067	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R3068	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R3091	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R3093	1-216-025-91	METAL GLAZE 100 5%	1/10W
R3094	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R3095	1-216-025-91	METAL GLAZE 100 5%	1/10W
R3096	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R3097	1-216-025-91	METAL GLAZE 100 5%	1/10W
R3098	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R3099	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R3100	1-216-025-91	METAL GLAZE 100 5%	1/10W
R3101	1-216-025-91	METAL GLAZE 100 5%	1/10W
R3102	1-216-025-91	METAL GLAZE 100 5%	1/10W
R3103	1-216-025-91	METAL GLAZE 100 5%	1/10W
R3104	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R3105	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R3106	1-216-025-91	METAL GLAZE 100 5%	1/10W
R3107	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R3108	1-216-025-91	METAL GLAZE 100 5%	1/10W
R3109	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
R3110	1-216-001-00	METAL GLAZE 10 5%	1/10W
R3111	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3112	1-216-025-91	METAL GLAZE 100 5%	1/10W
R3113	1-216-001-00	METAL GLAZE 10 5%	1/10W
R3116	1-216-001-00	METAL GLAZE 10 5%	1/10W
R3117	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R3119	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3120	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R3121	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
R3122	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3123	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3125	1-216-081-00	METAL GLAZE 22K 5%	1/10W

M GB

REF. NO.	PART NO.	DESCRIPTION		REMARK
R3126	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3127	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R3128	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3129	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3130	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3131	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3132	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3133	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3134	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R3135	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R3136	1-216-037-00	METAL GLAZE 330	5%	1/10W
R3137	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W
R3138	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R3140	1-216-190-00	METAL GLAZE 470	5%	1/8W
R3141	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3142	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3143	1-216-190-00	METAL GLAZE 470	5%	1/8W
R3144	1-216-295-91	CONDUCTOR, CHIP		
R3145	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3146	1-216-071-00	METAL GLAZE 8.2K	5%	1/10W
R3147	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3148	1-216-043-91	METAL GLAZE 560	5%	1/10W
R3149	1-216-061-00	METAL GLAZE 3.3K	5%	1/10W
R3151	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3152	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W
R3153	1-208-810-11	METAL CHIP 15K	0.50%	1/10W
R3154	1-216-295-91	CONDUCTOR, CHIP		
R3155	1-216-039-00	METAL GLAZE 390	5%	1/10W
R3156	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3158	1-216-045-00	METAL GLAZE 680	5%	1/10W
R3159	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3161	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3171	1-216-655-11	METAL CHIP 1.5K	0.50%	1/10W
R3172	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3173	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R3175	1-216-295-91	CONDUCTOR, CHIP		
R3176	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3177	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3178	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3179	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W
R3180	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R3182	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3184	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R3185	1-216-071-00	METAL GLAZE 8.2K	5%	1/10W
R3186	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3187	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R3188	1-216-069-00	METAL GLAZE 6.8K	5%	1/10W
R3189	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3190	1-216-031-00	METAL GLAZE 180	5%	1/10W
R3191	1-216-031-00	METAL GLAZE 180	5%	1/10W
R3192	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3193	1-216-037-00	METAL GLAZE 330	5%	1/10W
R3194	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3202	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R3205	1-216-035-00	METAL GLAZE 270	5%	1/10W
R3206	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3207	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3210	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R3211	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R3218	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W
R3225	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R3226	1-216-061-00	METAL GLAZE 3.3K	5%	1/10W
R3228	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3229	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3230	1-216-051-00	METAL GLAZE 1.2K	5%	1/10W
R3231	1-216-035-00	METAL GLAZE 270	5%	1/10W
R3241	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R3244	1-216-075-00	METAL GLAZE 12K	5%	1/10W
R3245	1-216-093-00	METAL GLAZE 68K	5%	1/10W
R3251	1-216-295-91	CONDUCTOR, CHIP		
R3252	1-216-043-91	METAL GLAZE 560	5%	1/10W
R3253	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W
R3256	1-216-083-00	METAL GLAZE 27K	5%	1/10W
R3257	1-216-097-91	METAL GLAZE 100K	5%	1/10W
R3261	1-216-071-00	METAL GLAZE 8.2K	5%	1/10W
R3262	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R3264	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R3265	1-216-043-91	METAL GLAZE 560	5%	1/10W
R3266	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W
R3268	1-216-121-91	METAL GLAZE 1M	5%	1/10W
R3269	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3270	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3271	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R3272	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R3273	1-216-689-11	METAL GLAZE 39K	5%	1/10W
R3274	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R3275	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R3276	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3277	1-216-035-00	METAL GLAZE 270	5%	1/10W
R3278	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3279	1-216-045-00	METAL GLAZE 680	5%	1/10W
R3280	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3281	1-216-652-11	METAL CHIP 1.1K	0.50%	1/10W
R3282	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3283	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R3284	1-216-075-00	METAL GLAZE 12K	5%	1/10W
R3285	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3286	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3287	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3288	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3289	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3290	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3291	1-216-043-91	METAL GLAZE 560	5%	1/10W
R3292	1-216-033-00	METAL GLAZE 220	5%	1/10W
R3293	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3294	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3295	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3296	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3297	1-216-017-91	METAL GLAZE 47	5%	1/10W
R3298	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3299	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3300	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R3301	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3302	1-216-041-00	METAL GLAZE 470	5%	1/10W
R3303	1-216-025-91	METAL GLAZE 100	5%	1/10W
R3304	1-216-043-91	METAL GLAZE 560	5%	1/10W

<CRYSTAL>

X3000	1-579-917-11	VIBRATOR, CRYSTAL
X3001	1-577-611-11	OSCILALTOR, CERAMIC
X3002	1-567-505-11	OSCILLATOR, CRYSTAL

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* A-1311-436-A GB BOARD, COMPLETE
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4-382-854-11 SCREW (M3X10), P, SW (+)

<CAPACITOR>

C1204	1-104-759-11	ELECT	470µF	20%	200V
C1205	1-104-759-11	ELECT	470µF	20%	200V
C1208	1-164-625-11	CERAMIC	680PF	10%	500V
C1209	1-164-625-11	CERAMIC	680PF	10%	500V
C1210	1-136-173-00	FILM	0.47µF	5%	50V

GB G

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REF. NO.	PART NO.	DESCRIPTION				REMARK
C1211	1-136-169-00	FILM	0.22µF	5%	50V	
C1212	1-136-173-00	FILM	0.47µF	5%	50V	
C1213	1-136-169-00	FILM	0.22µF	5%	50V	
C1214	1-164-625-11	CERAMIC	680PF	10%	500V	
C1215	1-129-719-00	FILM	0.027µF	5%	630V	
C1251	1-128-548-11	ELECT	4700µF	20%	25V	
C1252	1-128-548-11	ELECT	4700µF	20%	25V	
C1253	1-128-548-11	ELECT	4700µF	20%	25V	
C1254	1-128-548-11	ELECT	4700µF	20%	25V	
C1255	1-136-153-00	FILM	0.01µF	5%	50V	
C1256	1-136-153-00	FILM	0.01µF	5%	50V	
C1265	1-126-965-11	ELECT	22µF	20%	50V	
		<CONNECTOR>				
CN1203	* 1-691-135-11	PIN, CONNECTOR (PC BOARD) 4P				
CN1209	* 1-564-507-11	PLUG, CONNECTOR 4P				
CN1210	* 1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P				
		<DIODE>				
D1201	8-719-052-84	DIODE LN4SB60				
D1202	8-719-110-22	DIODE RD11ESB2				
D1203	8-719-988-31	DIODE D10SC6MR				
D1205	8-719-991-33	DIODE 1SS133T-77				
D1207	8-719-991-33	DIODE 1SS133T-77				
D1209	8-719-991-33	DIODE 1SS133T-77				
D1211	8-719-991-33	DIODE 1SS133T-77				
D1212	8-719-053-92	DIODE F10P06Q				
D1213	8-719-991-33	DIODE 1SS133T-77				
D1266	8-719-110-63	DIODE RD24ESB3				
D1277	8-719-991-33	DIODE 1SS133T-77				
		<IC>				
IC1201	8-759-198-31	IC uPC1093J-1-T				
		<COIL>				
L1251	1-414-158-11	INDUCTOR 2.2µH				
L1252	1-414-158-11	INDUCTOR 2.2µH				
		<TRANSISTOR>				
Q1201	8-729-019-49	TRANSISTOR 2SC4834M				
Q1202	8-729-019-49	TRANSISTOR 2SC4834M				
Q1203	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q1204	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q1252	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q1253	8-729-230-45	TRANSISTOR 2SC2458-YGR				
		<RESISTOR>				
R1204	1-247-891-00	CARBON	330K	5%	1/4W	
R1205	1-247-891-00	CARBON	330K	5%	1/4W	
R1206	1-202-933-61	FUSIBLE	0.1	10%	1/2W	F
R1207	1-247-891-00	CARBON	330K	5%	1/4W	
R1208	1-247-891-00	CARBON	330K	5%	1/4W	
R1209	1-216-375-00	METAL OXIDE	3.3	5%	2W	F
R1210	1-247-891-00	CARBON	330K	5%	1/4W	
R1211	1-247-891-00	CARBON	330K	5%	1/4W	
R1212	1-216-375-00	METAL OXIDE	3.3	5%	2W	F
R1213	1-249-393-11	CARBON	10	5%	1/4W	
R1215	1-249-393-11	CARBON	10	5%	1/4W	
R1217	1-211-761-11	FUSIBLE	0.1	10%	1/2W	
R1218	1-249-425-11	CARBON	4.7K	5%	1/4W	
R1219	1-249-425-11	CARBON	4.7K	5%	1/4W	
R1220	1-249-429-11	CARBON	10K	5%	1/4W	

REF. NO.	PART NO.	DESCRIPTION				REMARK
R1251	1-215-888-00	METAL OXIDE	220	5%	2W	F
R1252	1-215-448-00	METAL	13K	1%	1/4W	
R1253	1-247-883-00	CARBON	150K	5%	1/4W	
R1254	1-215-428-00	METAL	2K	1%	1/4W	
R1260	1-249-417-11	CARBON	1K	5%	1/4W	
R1264	1-249-429-11	CARBON	10K	5%	1/4W	
R1266	1-249-429-11	CARBON	10K	5%	1/4W	
R1267	1-249-429-11	CARBON	10K	5%	1/4W	
R1272	1-247-807-31	CARBON	100	5%	1/4W	
R1273	1-211-761-11	FUSIBLE	0.1	10%	1/2W	
R1274	1-249-393-11	CARBON	10	5%	1/4W	F
R1295	1-211-761-11	FUSIBLE	0.1	10%	1/2W	
R1296	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1297	1-211-761-11	FUSIBLE	0.1	10%	1/2W	
R1299	1-247-807-31	CARBON	100	5%	1/4W	
		<TRANSFORMER>				
T1202	1-429-289-11	TRANSFORMER, CONVERTER (PIT)				
T1204	1-427-864-11	TRANSFORMER, CONVERTER (PRT)				

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* A-1316-229-A G BOARD, COMPLETE
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* 4-047-936-01 PLATE, SHIELD, PIT
4-382-854-11 SCREW (M3X10), P, SW (+)

<CAPACITOR>

C601	⚠ 1-136-311-51	FILM	0.47µF	20%	125V
C602	⚠ 1-162-577-51	CERAMIC	0.0022µF	20%	400V
C603	⚠ 1-162-577-51	CERAMIC	0.0022µF	20%	400V
C604	⚠ 1-125-692-11	ELECT(BLOCK)	820µF	20%	200V
C605	⚠ 1-125-692-11	ELECT(BLOCK)	820µF	20%	200V
C608	1-164-645-11	CERAMIC	1000PF	10%	500V
C609	1-164-645-11	CERAMIC	1000PF	10%	500V
C610	1-136-173-00	FILM	0.47µF	5%	50V
C611	1-136-171-00	FILM	0.33µF	5%	50V
C612	1-136-173-00	FILM	0.47µF	5%	50V
C613	1-136-171-00	FILM	0.33µF	5%	50V
C614	1-164-735-11	CAPACITOR	0.0015µF	10%	500V
C615	1-129-720-00	FILM	0.033µF	5%	630V
C616	⚠ 1-136-311-51	FILM	0.47µF	20%	125V
C653	1-162-318-11	CERAMIC	0.001µF	10%	500V
C656	1-128-548-11	ELECT	4700µF	20%	25V
C657	1-126-929-11	ELECT	4700µF	20%	10V
C658	1-126-936-11	ELECT	3300µF	20%	16V
C659	1-128-548-11	ELECT	4700µF	20%	25V
C660	1-164-644-11	CERAMIC	330PF	10%	500V
C661	1-123-024-21	ELECT	33µF		160V
C662	1-107-636-11	ELECT	10µF	20%	160V
C663	1-124-122-11	ELECT	100µF	20%	50V
C664	1-126-235-11	ELECT	100µF	20%	6.3V
C665	1-126-964-11	ELECT	10µF	20%	50V
C667	1-126-971-11	ELECT	470µF	20%	50V
C668	1-104-664-11	ELECT	47µF	20%	25V
C669	1-162-318-11	CERAMIC	0.001µF	10%	500V
C670	1-104-664-11	ELECT	47µF	20%	25V
C671	1-104-664-11	ELECT	47µF	20%	25V
C672	1-104-665-11	ELECT	100µF	20%	25V
C673	1-104-664-11	ELECT	47µF	20%	25V
C674	1-104-664-11	ELECT	47µF	20%	25V
C675	1-104-664-11	ELECT	47µF	20%	25V
C676	1-104-664-11	ELECT	47µF	20%	25V
C677	1-125-473-11	ELECT(BLOCK)	1000µF	20%	160V
C678	1-107-635-11	ELECT	4.7µF	20%	160V

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REF. NO.	PART NO.	DESCRIPTION			REMARK
C679	1-164-644-11	CERAMIC	330PF	10%	500V
C680	1-124-903-11	ELECT	1µF	20%	50V
C682	1-124-903-11	ELECT	1µF	20%	50V
C683	1-107-635-11	ELECT	4.7µF	20%	160V
C691	1-126-964-11	ELECT	10µF	20%	50V
		<CONNECTOR>			
CN606	1-695-915-11	TAB (CONTACT)			
CN609	* 1-564-507-11	PLUG, CONNECTOR 4P			
CN610	* 1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P			
CN615	1-695-915-11	TAB (CONTACT)			
CN616	* 1-564-507-11	PLUG, CONNECTOR 4P			
CN617	* 1-580-843-11	PIN, CONNECTOR (POWER)			
CN625	* 1-564-513-11	PLUG, CONNECTOR 10P			
CN626	* 1-564-506-11	PLUG, CONNECTOR 3P			
CN653	* 1-564-507-11	PLUG, CONNECTOR 4P			
CN681	* 1-573-986-11	PIN, CONNECTOR (PC BOARD) 5P			
		<DIODE>			
D601	⚠ 8-719-052-29	DIODE LN4SB60-F			
D604	8-719-991-33	DIODE 1SS133T-77			
D605	8-719-991-33	DIODE 1SS133T-77			
D606	8-719-991-33	DIODE 1SS133T-77			
D607	8-719-991-33	DIODE 1SS133T-77			
D608	8-719-991-33	DIODE 1SS133T-77			
D609	8-719-991-33	DIODE 1SS133T-77			
D610	8-719-991-33	DIODE 1SS133T-77			
D611	8-719-991-33	DIODE 1SS133T-77			
D655	8-719-052-92	DIODE D10SBS4F			
D656	8-719-022-97	DIODE D2S4MF			
D657	8-719-022-97	DIODE D2S4MF			
D658	8-719-022-97	DIODE D2S4MF			
D659	8-719-022-97	DIODE D2S4MF			
D660	8-719-052-86	DIODE D2L40-TA			
D661	8-719-052-86	DIODE D2L40-TA			
D662	8-719-052-31	DIODE D1NL40-TR2			
D663	8-719-052-31	DIODE D1NL40-TR2			
D664	8-719-510-26	DIODE D1NL20			
D665	8-719-991-33	DIODE 1SS133T-77			
D666	8-719-110-57	DIODE RD22ESB2			
D667	8-719-110-22	DIODE RD11ESB2			
D669	8-719-991-33	DIODE 1SS133T-77			
D670	8-719-110-41	DIODE RD15ESB2			
D671	8-719-991-33	DIODE 1SS133T-77			
D672	8-719-109-54	DIODE RD2.2ESB2			
D673	8-719-110-49	DIODE RD18ESB2			
D674	8-719-991-33	DIODE 1SS133T-77			
D675	8-719-109-85	DIODE RD5.1ESB2			
D676	8-719-991-33	DIODE 1SS133T-77			
D677	8-719-991-33	DIODE 1SS133T-77			
D678	8-719-991-33	DIODE 1SS133T-77			
D679	8-719-991-33	DIODE 1SS133T-77			
D680	8-719-200-82	DIODE 11ES2			
D681	8-719-200-82	DIODE 11ES2			
D682	8-719-200-82	DIODE 11ES2			
D683	8-719-200-82	DIODE 11ES2			
D685	8-719-991-33	DIODE 1SS133T-77			
D686	8-719-991-33	DIODE 1SS133T-77			
D687	8-719-109-51	DIODE RD2.0ESB2			
D688	8-719-991-33	DIODE 1SS133T-77			
D689	8-719-991-33	DIODE 1SS133T-77			
D690	8-719-109-89	DIODE RD5.6ESB2			
D691	8-719-991-33	DIODE 1SS133T-77			
D693	8-719-991-33	DIODE 1SS133T-77			
		<FUSE>			
F601	⚠ 1-576-193-11	FUSE (6.3A/125V)			
	1-533-223-11	CLIP, FUSE; F601			
		<FERRITE BEAD>			
FB651	1-410-396-41	FERRITE BEAD INDUCTOR 0.45µH			
FB652	1-410-396-41	FERRITE BEAD INDUCTOR 0.45µH			
		<IC>			
IC651	⚠ 1-810-051-11	POWER MODULE DM-48			
IC652	8-759-231-58	IC TA7812S			
		<COIL>			
L653	1-412-519-11	INDUCTOR 3.3µH			
L654	1-403-588-11	CIL, CHOKE 22µH			
L655	1-403-588-11	CIL, CHOKE 22µH			
L656	1-412-519-11	INDUCTOR 3.3µH			
L657	1-403-588-11	CIL, CHOKE 22µH			
L658	1-403-588-11	CIL, CHOKE 22µH			
		<TRANSISTOR>			
Q601	8-729-019-49	TRANSISTOR 2SC4834M			
Q602	8-729-019-49	TRANSISTOR 2SC4834M			
Q651	8-729-820-82	TRANSISTOR 2SA1208-S			
Q652	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q653	8-729-230-45	TRANSISTOR 2SC2458-YGR			
Q654	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q655	8-729-230-45	TRANSISTOR 2SC2458-YGR			
Q656	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q657	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q658	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q659	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q660	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q661	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q662	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q663	8-729-119-76	TRANSISTOR 2SA1175-HFE			
		<RESISTOR>			
R602	⚠ 1-219-236-91	SOLID	2.2M	20%	1/2W	
R603	⚠ 1-205-997-11	WIREWOUND	2.2	5%	10W	
R604	⚠ 1-247-891-91	CARBON	330K	5%	1/4W	
R605	⚠ 1-247-891-91	CARBON	330K	5%	1/4W	
R606	1-202-933-61	FUSIBLE	0.1	10%	1/2W	F
R607	1-247-891-00	CARBON	330K	5%	1/4W	
R608	1-247-891-00	CARBON	330K	5%	1/4W	
R609	1-216-369-00	METAL OXIDE	1	5%	2W	F
R610	1-247-891-00	CARBON	330K	5%	1/4W	
R611	1-247-891-00	CARBON	330K	5%	1/4W	
R612	1-216-369-00	METAL OXIDE	1	5%	2W	F
R613	1-247-791-91	CARBON	22	5%	1/4W	
R614	1-247-791-91	CARBON	22	5%	1/4W	
R615	1-247-791-91	CARBON	22	5%	1/4W	
R616	1-247-791-91	CARBON	22	5%	1/4W	
R631	1-247-863-91	CARBON	22K	5%	1/4W	
R632	1-247-807-31	CARBON	100	5%	1/4W	
R633	1-247-807-31	CARBON	100	5%	1/4W	
R634	1-249-417-11	CARBON	1K	5%	1/4W	
R635	1-249-425-11	CARBON	4.7K	5%	1/4W	
R636	1-249-413-11	CARBON	470	5%	1/4W	
R653	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R654	1-215-473-00	METAL	150K	1%	1/4W	
R655	1-249-441-11	CARBON	100K	5%	1/4W	
R656	1-216-369-00	METAL OXIDE	1	5%	2W	F
R657	1-249-429-11	CARBON	10K	5%	1/4W	
R658	1-247-883-00	CARBON	150K	5%	1/4W	

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REF. NO.	PART NO.	DESCRIPTION			REMARK
R659	1-249-417-11	CARBON	1K	5%	1/4W F
R660	1-249-417-11	CARBON	1K	5%	1/4W
R661	1-215-471-00	METAL	120K	1%	1/4W
R662	⚠ 1-215-452-91	METAL	20K	1%	1/4W
R664	1-249-429-11	CARBON	10K	5%	1/4W
R665	1-249-425-11	CARBON	4.7K	5%	1/4W
R666	1-249-429-11	CARBON	10K	5%	1/4W
R667	1-249-429-11	CARBON	10K	5%	1/4W
R670	1-247-895-91	CARBON	470K	5%	1/4W
R672	1-247-807-31	CARBON	100	5%	1/4W
R673	1-249-423-11	CARBON	3.3K	5%	1/4W
R674	1-249-413-11	CARBON	470	5%	1/4W
R675	1-249-429-11	CARBON	10K	5%	1/4W
R676	1-249-421-11	CARBON	2.2K	5%	1/4W
R677	1-249-417-11	CARBON	1K	5%	1/4W
R678	1-249-423-11	CARBON	3.3K	5%	1/4W
R679	1-249-423-11	CARBON	3.3K	5%	1/4W
R680	1-249-413-11	CARBON	470	5%	1/4W
R681	1-249-425-11	CARBON	4.7K	5%	1/4W
R682	1-249-403-11	CARBON	68	5%	1/4W
R683	1-249-417-11	CARBON	1K	5%	1/4W
R684	1-249-417-11	CARBON	1K	5%	1/4W
R685	1-247-863-91	CARBON	22K	5%	1/4W
R686	1-249-429-11	CARBON	10K	5%	1/4W
R687	1-249-423-11	CARBON	3.3K	5%	1/4W
R688	1-249-423-11	CARBON	3.3K	5%	1/4W
R689	1-249-429-11	CARBON	10K	5%	1/4W
R690	1-247-863-91	CARBON	22K	5%	1/4W
R691	1-249-417-11	CARBON	1K	5%	1/4W
R693	1-249-425-11	CARBON	4.7K	5%	1/4W
R694	1-249-425-11	CARBON	4.7K	5%	1/4W
R695	1-249-429-11	CARBON	10K	5%	1/4W
R697	1-249-413-11	CARBON	470	5%	1/4W
R698	1-249-429-11	CARBON	10K	5%	1/4W
R699	1-249-417-11	CARBON	1K	5%	1/4W

<RELAY>

RY601	⚠ 1-755-032-11	RELAY
RY602	⚠ 1-755-032-11	RELAY

<TRANSFORMER>

T601	⚠ 1-424-248-11	TRANSFORMER, LINE FILTER
T602	⚠ 1-427-863-11	TRANSFORMER, CONVERTER (PIT)
T603	⚠ 1-423-665-11	TRANSFORMER, POWER
T604	⚠ 1-427-864-12	TRANSFORMER, CONVERTER (PRT)
T605	⚠ 1-424-248-11	TRANSFORMER, LINE FILTER

<VARISTOR>

VDR601	1-801-074-41	VARISTOR ERZV10D271

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* A-1331-501-A	CR BOARD, COMPLETE	
	**********	
4-382-854-11	SCREW (M3X10), P, SW (+)	

<CAPACITOR>

C701	1-104-664-11	ELECT	47µF	20%	25V
C702	1-107-662-11	ELECT	22µF	20%	250V
C703	1-161-754-00	CERAMIC	0.001µF	10%	2KV
C704	1-126-768-11	ELECT	2200µF	20%	16V
C705	1-102-050-00	CERAMIC	0.01µF		500V
C706	1-102-949-00	CERAMIC	12PF	5%	50V
C707	1-102-129-00	CERAMIC	0.01µF	10%	50V
C708	1-104-664-11	ELECT	47µF	20%	25V
C709	1-107-651-11	ELECT	4.7µF	20%	250V
C710	1-102-157-00	CERAMIC	560PF	10%	500V
C714	1-162-115-00	CERAMIC	330PF	10%	2KV
C715	1-164-097-11	CERAMIC	0.022µF		50V
C716	1-102-050-00	CERAMIC	0.01µF		500V

<CONNECTOR>

CN701	* 1-508-784-00	PIN, CONNECTOR (5mm PITCH) 1P
CN702	* 1-564-510-11	PLUG, CONNECTOR 7P
CN703	* 1-564-512-11	PLUG, CONNECTOR 9P
CN704	* 1-564-512-11	PLUG, CONNECTOR 9P
CN705	* 1-564-511-11	PLUG, CONNECTOR 8P
CN706	1-695-915-11	TAB (CONTACT)
CN708	1-251-179-11	SOCKET, PICTURE TUBE
CN709	* 1-564-506-11	PLUG, CONNECTOR 3P

<DIODE>

D701	8-719-991-33	DIODE 1SS133T-77
D702	8-719-991-33	DIODE 1SS133T-77
D703	8-719-991-33	DIODE 1SS133T-77
D704	8-719-110-36	DIODE RD13ESB2
D705	8-719-210-21	DIODE 11EQS04
D706	8-719-991-33	DIODE 1SS133T-77
D707	8-719-110-36	DIODE RD13ESB2
D708	8-719-901-83	DIODE 1SS83
D710	8-719-109-89	DIODE RD5.6ESB2
D711	8-719-991-33	DIODE 1SS133T-77
D713	8-719-510-48	DIODE D1N20R
D716	8-719-110-36	DIODE RD13ESB2
D717	8-719-110-36	DIODE RD13ESB2

<IC>

IC701	8-759-168-72	IC TDA6101Q

<COIL>

L701	1-408-429-00	INDUCTOR 470µH

<NEON LAMP>

NL701	1-519-108-XX	LAMP, NEON

<TRANSISTOR>

Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE

<RESISTOR>

R701	1-215-411-00	METAL	390	1%	1/4W
R702	1-215-414-00	METAL	510	1%	1/4W
R704	1-202-847-00	SOLID	560K	20%	1/2W
R706	1-249-407-11	CARBON	150	5%	1/4W
R707	1-215-423-00	METAL	1.2K	1%	1/4W
R708	1-202-883-11	SOLID	680K	20%	1/2W
R709	1-215-437-00	METAL	4.7K	1%	1/4W
R710	1-215-427-00	METAL	1.8K	1%	1/4W
R711	1-215-427-00	METAL	1.8K	1%	1/4W
R712	1-215-903-11	METAL OXIDE	68K	5%	2W F
R713	1-202-818-00	SOLID	1K	20%	1/2W
R714	1-202-818-00	SOLID	1K	20%	1/2W
R715	1-249-436-11	CARBON	39K	5%	1/4W
R716	1-249-437-11	CARBON	47K	5%	1/4W
R718	1-249-417-11	CARBON	1K	5%	1/4W

CR CG CB

REF. NO.	PART NO.	DESCRIPTION			REMARK
R719	1-247-807-31	CARBON	100	5%	1/4W
R720	1-249-437-11	CARBON	47K	5%	1/4W
R721	1-202-549-00	SOLID	100	20%	1/2W
R722	1-202-549-00	SOLID	100	20%	1/2W
		<SPARK GAP>			
SG701	1-519-422-11	GAP, SPARK			
SG702	1-519-422-11	GAP, SPARK			
SG703	1-519-422-11	GAP, SPARK			

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* A-1331-502-A CG BOARD, COMPLETE
****

4-382-854-11 SCREW (M3X10), P, SW (+)

<CAPACITOR>

C731	1-161-754-00	CERAMIC	0.001µF	10%	2KV
C732	1-107-662-11	ELECT	22µF	20%	250V
C733	1-102-050-00	CERAMIC	0.01µF		500V
C736	1-126-964-11	ELECT	10µF	20%	50V
C738	1-107-651-11	ELECT	4.7µF	20%	250V
C739	1-102-953-00	CERAMIC	18PF	5%	50V
C740	1-126-964-11	ELECT	10µF	20%	50V
C741	1-102-157-00	CERAMIC	560PF	10%	500V
C742	1-162-115-00	CERAMIC	330PF	10%	2KV
C743	1-164-097-11	CERAMIC	0.022µF		50V
C744	1-102-050-00	CERAMIC	0.01µF		500V

<CONNECTOR>

CN731	* 1-508-784-00	PIN, CONNECTOR (5mm PITCH) 1P
CN732	* 1-564-512-11	PLUG, CONNECTOR 9P
CN733	* 1-564-512-11	PLUG, CONNECTOR 9P
CN734	* 1-564-511-11	PLUG, CONNECTOR 8P
CN735	* 1-564-509-11	PLUG, CONNECTOR 6P
CN736	1-695-915-11	TAB (CONTACT)
CN738	1-251-179-11	SOCKET, PICTURE TUBE

<DIODE>

D731	8-719-110-36	DIODE RD13ESB2
D732	8-719-901-83	DIODE 1SS83
D736	8-719-510-48	DIODE D1N20R
D737	8-719-110-36	DIODE RD13ESB2

<IC>

IC731	8-759-168-72	IC TDA6101Q

<COIL>

L731	1-408-429-00	INDUCTOR 470µH

<NEON LAMP>

NL731	1-519-108-XX	LAMP, NEON

<RESISTOR>

R731	1-202-847-00	SOLID	560K	20%	1/2W
R733	1-202-883-11	SOLID	680K	20%	1/2W
R734	1-202-818-00	SOLID	1K	20%	1/2W
R735	1-249-407-11	CARBON	150	5%	1/4W
R736	1-249-441-11	CARBON	100K	5%	1/4W
R737	1-202-818-00	SOLID	1K	20%	1/2W
R738	1-202-549-00	SOLID	100	20%	1/2W
R739	1-215-420-00	METAL	910	1%	1/4W
R740	1-215-427-00	METAL	1.8K	1%	1/4W
R741	1-249-437-11	CARBON	47K	5%	1/4W
R742	1-215-903-11	METAL OXIDE	68K	5%	2W F

<SPARK GAP>

SG731	1-519-422-11	GAP, SPARK
SG732	1-519-422-11	GAP, SPARK
SG733	1-519-422-11	GAP, SPARK

****

* A-1331-503-A CB BOARD, COMPLETE
****

4-382-854-11 SCREW (M3X10), P, SW (+)

<CAPACITOR>

C761	1-161-754-00	CERAMIC	0.001µF	10%	2KV
C762	1-107-662-11	ELECT	22µF	20%	250V
C763	1-102-050-00	CERAMIC	0.01µF		500V
C766	1-107-651-11	ELECT	4.7µF	20%	250V
C769	1-102-953-00	CERAMIC	18PF	5%	50V
C770	1-126-964-11	ELECT	10µF	20%	50V
C771	1-102-157-00	CERAMIC	560PF	10%	500V
C772	1-162-115-00	CERAMIC	330PF	10%	2KV
C773	1-164-097-11	CERAMIC	0.022µF		50V
C774	1-102-050-00	CERAMIC	0.01µF		500V

<CONNECTOR>

CN761	* 1-508-784-00	PIN, CONNECTOR (5mm PITCH) 1P
CN762	* 1-564-512-11	PLUG, CONNECTOR 9P
CN763	* 1-564-509-11	PLUG, CONNECTOR 6P
CN766	1-695-915-11	TAB (CONTACT)
CN768	1-251-179-11	SOCKET, PICTURE TUBE

<DIODE>

D761	8-719-110-36	DIODE RD13ESB2
D762	8-719-901-83	DIODE 1SS83
D763	8-719-991-33	DIODE 1SS133T-77
D764	8-719-110-36	DIODE RD13ESB2
D765	8-719-110-36	DIODE RD13ESB2
D768	8-719-510-48	DIODE D1N20R
D769	8-719-110-36	DIODE RD13ESB2

<IC>

IC761	8-759-168-72	IC TDA6101Q

<COIL>

L761	1-408-429-00	INDUCTOR 470µH

<NEON LAMP>

NL760	1-519-108-XX	LAMP, NEON

<RESISTOR>

R761	1-202-847-00	SOLID	560K	20%	1/2W
R763	1-202-883-11	SOLID	680K	20%	1/2W
R764	1-202-818-00	SOLID	1K	20%	1/2W
R767	1-202-818-00	SOLID	1K	20%	1/2W

CB **E**

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION			REMARK
R768	1-202-549-00	SOLID	100	20%	1/2W
R769	1-215-421-00	METAL	1K	1%	1/4W
R770	1-249-426-11	CARBON	5.6K	5%	1/4W
R771	1-215-427-00	METAL	1.8K	1%	1/4W
R773	1-215-903-11	METAL OXIDE	68K	5%	2W F
R774	1-249-407-11	CARBON	150	5%	1/4W
R775	1-202-549-00	SOLID	100	20%	1/2W
		<SPARK GAP>			
SG761	1-519-422-11	GAP, SPARK			
SG762	1-519-422-11	GAP, SPARK			
SG763	1-519-422-11	GAP, SPARK			
**********					
	* A-1341-885-A	E BOARD, COMPLETE **********			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
		<CAPACITOR>			
C801	1-110-626-11	ELECT	330µF	20%	160V
C802	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C803	1-110-626-11	ELECT	330µF	20%	160V
C805	1-136-173-00	FILM	0.47µF	5%	50V
C806	1-102-030-00	CERAMIC	330PF	10%	500V
C807	1-106-387-00	MYLAR	0.068µF	10%	200V
C808	1-107-636-11	ELECT	10µF	20%	160V
C809	1-104-664-11	ELECT	47µF	20%	25V
C810	1-130-481-00	FILM	0.0068µF	5%	50V
C811	1-137-475-11	FILM	2.2µF	10%	250V
C812	1-126-965-11	ELECT	22µF	20%	50V
C813	1-162-318-11	CERAMIC	0.001µF	10%	500V
C814	1-124-122-11	ELECT	100µF	20%	50V
C815	1-162-114-00	CERAMIC	0.0047µF		2KV
C818	⚠ 1-109-833-11	FILM	0.0145µF	3%	1.8KV
C819	1-130-489-00	FILM	0.033µF	5%	50V
C820	1-124-902-00	ELECT	0.47µF	20%	50V
C823	1-136-601-11	FILM	0.01µF	5%	630V
C824	1-126-964-11	ELECT	10µF	20%	50V
C825	1-162-318-11	CERAMIC	0.001µF	10%	500V
C826	1-130-467-00	FILM	470PF	5%	50V
C827	1-107-651-11	ELECT	4.7µF	20%	250V
C828	1-111-036-11	ELECT	470µF	20%	16V
C830	1-137-420-11	FILM	0.047µF	10%	100V
C831	1-126-934-11	ELECT	220µF	20%	16V
C832	1-126-967-11	ELECT	47µF	20%	50V
C901	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C902	1-137-370-11	FILM	0.01µF	5%	50V
C903	1-137-431-11	FILM	560PF	5%	50V
C904	1-137-358-11	FILM	0.0001µF	5%	50V
C905	1-104-665-11	ELECT	100µF	20%	25V
C906	1-137-370-11	FILM	0.01µF	5%	50V
C907	1-104-665-11	ELECT	100µF	20%	25V
C908	1-137-361-11	FILM	330PF	5%	50V
C909	1-124-903-11	ELECT	1µF	20%	50V
C911	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C912	1-124-903-11	ELECT	1µF	20%	50V
C913	1-124-903-11	ELECT	1µF	20%	50V
C915	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C916	1-124-927-11	ELECT	4.7µF	20%	50V
C917	1-126-964-11	ELECT	10µF	20%	50V
C918	1-137-364-11	FILM	0.001µF	5%	50V
C919	1-126-964-11	ELECT	10µF	20%	50V
C920	1-124-902-00	ELECT	0.47µF	20%	50V
C921	1-126-964-11	ELECT	10µF	20%	50V
C923	1-126-964-11	ELECT	10µF	20%	50V
C924	1-126-940-11	ELECT	330µF	20%	16V
C925	1-137-372-11	FILM	0.022µF	5%	50V
C926	1-104-665-11	ELECT	100µF	20%	25V
C927	1-137-364-11	FILM	0.001µF	5%	50V
C929	1-137-416-11	FILM	0.01µF	10%	100V
C930	1-137-364-11	FILM	0.001µF	5%	50V
C931	1-126-967-11	ELECT	47µF	20%	50V
C932	1-124-903-11	ELECT	1µF	20%	50V
C934	1-137-370-11	FILM	0.01µF	5%	50V
C935	1-137-399-11	FILM	0.1µF	10%	100V
C936	1-126-964-11	ELECT	10µF	20%	50V
C937	1-126-964-11	ELECT	10µF	20%	50V
C938	1-126-940-11	ELECT	330µF	20%	16V
C939	1-126-964-11	ELECT	10µF	20%	50V
C940	1-104-663-11	ELECT	33µF	20%	25V
C941	1-126-964-11	ELECT	10µF	20%	50V
C942	1-104-663-11	ELECT	33µF	20%	25V
C943	1-126-965-11	ELECT	22µF	20%	50V
C944	1-126-964-11	ELECT	10µF	20%	50V
C945	1-126-964-11	ELECT	10µF	20%	50V
C946	1-124-925-11	ELECT	2.2µF	20%	50V
C947	1-104-665-11	ELECT	100µF	20%	25V
C948	1-104-665-11	ELECT	100µF	20%	25V
C949	1-126-964-11	ELECT	10µF	20%	50V
C950	1-126-964-11	ELECT	10µF	20%	50V
C951	1-109-889-11	ELECT	1µF	20%	50V
C955	1-126-964-11	ELECT	10µF	20%	50V
C980	1-137-368-11	FILM	0.0047µF	5%	50V
		<CHIP CONDUCTOR>			
CJ901	1-216-295-91	CONDUCTOR, CHIP			
CJ902	1-216-295-91	CONDUCTOR, CHIP			
CJ903	1-216-295-91	CONDUCTOR, CHIP			
CJ904	1-216-295-91	CONDUCTOR, CHIP			
		<CONNECTOR>			
CN802	* 1-564-510-11	PLUG, CONNECTOR 7P			
CN805	1-695-915-11	TAB (CONTACT)			
CN827	* 1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P			
CN851	* 1-564-509-11	PLUG, CONNECTOR 6P			
CN881	* 1-573-986-11	PIN, CONNECTOR (PC BOARD) 5P			
CN882	* 1-691-135-11	PIN, CONNECTOR (PC BOARD) 4P			
CN884	* 1-573-964-11	PIN, CONNECTOR (PC BOARD) 6P			
CN885	* 1-506-371-00	PIN, CONNECTOR 2P			
CN886	* 1-506-371-00	PIN, CONNECTOR 2P			
CN904	* 1-564-507-11	PLUG, CONNECTOR 4P			
		<DIODE>			
D801	8-719-109-85	DIODE RD5.1ESB2			
D802	8-719-404-46	DIODE MA110			
D803	8-719-971-20	DIODE ERC38-06			
D804	8-719-908-03	DIODE GP08D			
D805	⚠ 8-719-979-40	DIODE ERC06-15STP11			
D806	8-719-991-33	DIODE 1SS133T-77			
D807	⚠ 8-719-979-40	DIODE ERC06-15STP11			
D808	8-719-500-71	DIODE D8LC40			
D809	8-719-991-33	DIODE 1SS133T-77			
D810	8-719-945-80	DIODE ERC06-15S			
D811	8-719-979-85	DIODE EGP20G			
D812	8-719-404-46	DIODE MA110			
D814	8-719-920-67	DIODE ERC91-02			
D816	8-719-404-46	DIODE MA110			
D817	8-719-404-46	DIODE MA110			
D818	8-719-404-46	DIODE MA110			
D819	8-719-105-82	DIODE RD5.1M-B2			

The componants identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

• The components identified by ⧓ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

E

REF. NO.	PART NO.	DESCRIPTION	REMARK
D901	8-719-404-46	DIODE MA110	
D902	8-719-404-46	DIODE MA110	
D904	8-719-404-46	DIODE MA110	
D905	8-719-404-46	DIODE MA110	
D907	8-719-404-46	DIODE MA110	
D908	8-719-105-82	DIODE RD5.1M-B2	
D909	8-719-302-43	DIODE EL1Z	
D911	8-719-105-82	DIODE RD5.1M-B2	
D912	8-719-105-82	DIODE RD5.1M-B2	
D913	8-719-404-46	DIODE MA110	
D914	8-719-404-46	DIODE MA110	
D915	8-719-404-46	DIODE MA110	
D916	8-719-105-57	DIODE RD3.9M-B1	
D917	8-719-404-46	DIODE MA110	
D918	8-719-404-46	DIODE MA110	
D919	8-719-106-81	DIODE RD13M-B3	
D920	8-759-157-40	IC uPC574J	
D921	8-719-106-81	DIODE RD13M-B3	
D922	8-719-404-46	DIODE MA110	
D923	8-719-404-46	DIODE MA110	
D924	8-719-404-46	DIODE MA110	
D925	8-719-105-45	DIODE RD3.3M-B1	
D926	8-719-404-46	DIODE MA110	
D927	8-719-105-73	DIODE RD4.7M-B2	
		<FERRITE BEAD>	
FB001	1-410-396-41	FERRITE BEAD INDUCTOR 0.45µH	
		<IC>	
IC901	8-759-133-90	IC uPC339C	
IC902	8-759-133-90	IC uPC339C	
IC903	8-759-711-28	IC NJM2058D	
IC904	8-759-634-51	IC M5218AP	
IC905	8-759-929-65	IC LM7912CT	
IC906	8-759-231-58	IC TA7812S	
		<COIL>	
L801	1-406-665-11	COIL, CHOKE 100µH	
L802	1-406-665-11	COIL, CHOKE 100µH	
L803	1-422-613-11	COIL, AIR CORE	
L804	1-411-286-11	COIL, CHOKE 220µH	
L901	1-408-416-00	INDUCTOR 39µH	
L902	1-408-416-00	INDUCTOR 39µH	
		<NEON LAMP>	
NL802	1-519-108-XX	LAMP, NEON	
		<TRANSISTOR>	
Q801	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q802	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q803	8-729-122-12	TRANSISTOR 2SA1221-L	
Q806 ⚠	8-729-805-07	TRANSISTOR 2SD1887-CA	
Q807	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q808	8-729-024-30	TRANSISTOR IRFI640LF	
Q809	8-729-823-81	TRANSISTOR 2SC4632LS-CB7	
Q810	8-729-231-55	TRANSISTOR 2SC2878-AB	
Q811	8-729-823-81	TRANSISTOR 2SC4632LS-CB7	
Q813	8-729-216-22	TRANSISTOR 2SA1162-G	
Q901	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q902	8-729-140-93	TRANSISTOR 2SB733-34	
Q903	8-729-140-96	TRANSISTOR 2SD774-34	
Q904	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q905	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q906	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q907	8-729-231-55	TRANSISTOR 2SC2878-AB	
Q908	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q909	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q910	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q911	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q912	8-729-216-22	TRANSISTOR 2SA1162-G	
Q913	8-729-900-36	TRANSISTOR DTC124ES	
Q914	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q915	8-729-422-27	TRANSISTOR 2SD601A-Q	
		<RESISTOR>	
R800	1-216-637-11	METAL CHIP 270 0.50% 1/10W	
R801	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R802	1-249-421-11	CARBON 2.2K 5% 1/4W	
R804	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R805	1-216-435-11	METAL OXIDE 2.7K 5% 1W	F
R806	1-249-431-11	CARBON 15K 5% 1/4W	F
R807	1-260-325-11	CARBON 560 5% 1/2W	
⧓R808 ⚠		CARBON 5% 1/4W	F
⧓R809 ⚠		CARBON 5% 1/4W	F
R810	1-249-427-11	CARBON 6.8K 5% 1/4W	F
R811	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R812	1-216-395-00	METAL OXIDE 3.3 5% 3W	F
R813	1-216-484-00	METAL OXIDE 3.9K 5% 3W	F
R814	1-215-919-11	METAL OXIDE 2.2K 5% 3W	F
R816	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R817	1-216-395-00	METAL OXIDE 3.3 5% 3W	F
R818	1-249-405-11	CARBON 100 5% 1/4W	F
R819	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R820	1-215-905-11	METAL OXIDE 10 5% 3W	F
R821	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R822	1-215-928-11	METAL OXIDE 68K 5% 3W	F
R823	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R825	1-215-928-11	METAL OXIDE 68K 5% 3W	F
R826	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R830	1-215-928-11	METAL OXIDE 68K 5% 3W	F
R831	1-215-919-11	METAL OXIDE 2.2K 5% 3W	F
R832	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R835	1-249-474-11	CARBON 1 5% 1/2W	F
R836	1-202-818-00	SOLID 1K 20% 1/2W	
R837	1-215-870-11	METAL OXIDE 1.5K 5% 1W	F
R838	1-247-807-31	CARBON 100 5% 1/4W	
R839	1-249-429-11	CARBON 10K 5% 1/4W	F
R841	1-216-491-11	METAL OXIDE 56K 5% 3W	F
R843	1-202-549-00	SOLID 100 20% 1/2W	
R844	1-216-491-11	METAL OXIDE 56K 5% 3W	F
R846	1-202-838-00	SOLID 100K 20% 1/2W	
R847	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R849	1-247-863-91	CARBON 22K 5% 1/4W	
R850	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R851	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R852	1-208-806-11	METAL CHIP 10K 0.50% 1/10W	
R854	1-249-381-11	CARBON 1 5% 1/4W	F
R855	1-208-822-11	METAL CHIP 47K 0.50% 1/10W	
R856	1-208-822-11	METAL CHIP 47K 0.50% 1/10W	
R857	1-216-699-11	METAL CHIP 100K 0.50% 1/10W	
R858	1-208-810-11	METAL CHIP 15K 0.50% 1/10W	
R859	1-249-381-11	CARBON 1 5% 1/4W	F
R883	1-216-091-00	METAL GLAZE 56K 5% 1/10W	
R888	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R901	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R902	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R903	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R904	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R905	1-247-739-11	CARBON 100 5% 1/2W	F
R906	1-247-739-11	CARBON 100 5% 1/2W	F

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• The components identified by ⊠ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION			REMARK
R907	1-216-091-00	METAL GLAZE	56K	5%	1/10W
R908	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R909	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R910	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R911	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R912	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R913	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R914	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R915	1-216-091-00	METAL GLAZE	56K	5%	1/10W
R916	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R917	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R918	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R919	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R920	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R921	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R922	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R923	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R924	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R926	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R927	1-249-377-11	CARBON	0.47	5%	1/4W F
R928	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R929	1-216-041-00	METAL GLAZE	470	5%	1/10W
R930	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R931	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R932	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R933	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R934	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R935	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R936	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R937	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R938	1-208-810-11	METAL CHIP	15K	0.50%	1/10W
R939	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R940	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R941	1-216-091-00	METAL GLAZE	56K	5%	1/10W
R942	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R943	1-249-377-11	CARBON	0.47	5%	1/4W F
R944	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R945	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R946	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R947	1-216-025-91	METAL GLAZE	100	5%	1/10W
R948	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R950	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R952	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R954	1-214-777-00	METAL	100K	1%	1/4W
R955	1-214-769-00	METAL	47K	1%	1/4W
R956	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R957	1-218-754-11	METAL CHIP	120K	0.50%	1/10W
R958	1-218-756-11	METAL CHIP	150K	0.50%	1/10W
R959	1-214-757-00	METAL	15K	1%	1/4W
R960	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R962	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R963	1-214-749-00	METAL	6.8K	1%	1/4W
R964	1-214-757-00	METAL	15K	1%	1/4W
R965	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R966	1-214-757-00	METAL	15K	1%	1/4W
R967	1-216-025-91	METAL GLAZE	100	5%	1/10W
R968	1-214-751-00	METAL	8.2K	1%	1/4W
R969	1-214-731-00	METAL	1.2K	1%	1/4W
R970	1-214-757-00	METAL	15K	1%	1/4W
R971	1-216-121-91	METAL GLAZE	1M	5%	1/10W
R972	1-216-699-11	METAL CHIP	100K	0.50%	1/10W
R973	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R974	1-216-699-11	METAL CHIP	100K	0.50%	1/10W
R975	1-216-043-91	METAL GLAZE	560	5%	1/10W
R976	1-216-041-00	METAL GLAZE	470	5%	1/10W
R977	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R978	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R979	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R980	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R981	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R982	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W
⊠R983 ⚠		METAL GLAZE			1/10W
R984	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R985	1-208-812-11	METAL CHIP	18K	0.50%	1/10W
R986	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R987	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
⊠R988 ⚠		METAL GLAZE			1/10W
R989	1-216-462-00	METAL OXIDE	8.2K	5%	2W F
R990	1-215-897-11	METAL OXIDE	6.8K	5%	2W F
R991	1-208-801-11	METAL CHIP	6.2K	0.50%	1/10W
R992	1-249-431-11	CARBON	15K	5%	1/4W
R993	1-249-431-11	CARBON	15K	5%	1/4W
R994	1-247-807-31	CARBON	100	5%	1/4W
R995	1-216-677-11	METAL CHIP	12K	0.50%	1/10W
R996	1-208-814-11	METAL CHIP	22K	0.50%	1/10W
R997	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R998	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R999	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W

<SPARK GAP>

SG801	1-519-422-11	GAP, SPARK	

<TRANSFORMER>

T801 ⚠	1-453-189-11	TRANSFORMER ASSY, FLYBACK	(NX-2631/A4S)
T802	1-437-209-11	TRANSFORMER, HORIZONTAL DRIVE	
T803 ⚠	1-427-980-11	TRANSFORMER, FERRITE (LOT)	

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* A-1346-296-A D BOARD, COMPLETE
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	4-382-854-11	SCREW (M3X10), P, SW (+)	
	7-682-652-09	SCREW +PSW 3X16	

<CAPACITOR>

C1502	1-126-943-11	ELECT	2200µF	20%	25V
C1503	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C1504	1-126-943-11	ELECT	2200µF	20%	25V
C1505	1-136-177-00	FILM	1µF	5%	50V
C1506	1-102-228-00	CERAMIC	470PF	10%	500V
C1507	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C1508	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1509	1-124-122-11	ELECT	100µF	20%	50V
C1510	1-137-401-11	FILM	0.22µF	10%	100V
C1511	1-137-423-11	FILM	0.15µF	10%	100V
C1512	1-137-423-11	FILM	0.15µF	10%	100V
C1513	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C1514	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1515	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1516	1-136-177-00	FILM	1µF	5%	50V
C1517	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C1551	1-126-964-11	ELECT	10µF	20%	50V
C1603	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1604	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1605	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1606	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1607	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1608	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1611	1-124-122-11	ELECT	100µF	20%	50V
C1612	1-104-665-11	ELECT	100µF	20%	25V
C1613	1-124-122-11	ELECT	100µF	20%	50V
C1615	1-104-665-11	ELECT	100µF	20%	25V

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REF. NO.	PART NO.	DESCRIPTION			REMARK
C1617	1-126-941-11	ELECT	470µF	20%	25V
C1619	1-104-665-11	ELECT	100µF	20%	25V
C1620	1-126-941-11	ELECT	470µF	20%	25V
C1622	1-104-665-11	ELECT	100µF	20%	25V
C1701	1-126-935-11	ELECT	470µF	20%	16V
C1702	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1703	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C1704	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C1705	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C1709	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1723	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1724	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1801	1-124-903-11	ELECT	1µF	20%	50V
C1802	1-126-964-11	ELECT	10µF	20%	50V
C1803	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1805	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1806	1-163-127-00	CERAMIC CHIP	270PF	5%	50V
C1807	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1808	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1809	1-126-940-11	ELECT	330µF	20%	16V
C1810	1-126-940-11	ELECT	330µF	20%	16V
C1811	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1812	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1813	1-163-275-11	CERAMIC CHIP	0.001µF	5%	50V
C1814	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1816	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1817	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1818	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1819	1-126-933-11	ELECT	100µF	20%	16V
C1820	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C1821	1-124-902-00	ELECT	0.47µF	20%	50V
C1822	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C1823	1-124-903-11	ELECT	1µF	20%	50V
C1824	1-124-903-11	ELECT	1µF	20%	50V
C1825	1-126-967-11	ELECT	47µF	20%	50V
C1826	1-126-967-11	ELECT	47µF	20%	50V
C1827	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1828	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1829	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1830	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1831	1-126-940-11	ELECT	330µF	20%	16V
C1832	1-126-940-11	ELECT	330µF	20%	16V
C1833	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1834	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1835	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1836	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1837	1-164-489-11	CERAMIC CHIP	0.22µF	10%	16V
C1838	1-124-122-11	ELECT	100µF	20%	50V
C1839	1-124-122-11	ELECT	100µF	20%	50V
C1840	1-124-903-11	ELECT	1µF	20%	50V
C1841	1-126-967-11	ELECT	47µF	20%	50V
C1842	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1843	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1844	1-126-967-11	ELECT	47µF	20%	50V
C1845	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1846	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1847	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1848	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1849	1-124-122-11	ELECT	100µF	20%	50V
C1850	1-124-122-11	ELECT	100µF	20%	50V
C1851	1-137-399-11	FILM	0.1µF	5%	50V
C1852	1-124-122-11	ELECT	100µF	20%	50V
C1853	1-137-378-11	FILM	0.22µF	5%	50V
C1854	1-124-927-11	ELECT	4.7µF	20%	50V
C1855	1-124-903-11	ELECT	1µF	20%	50V
C1856	1-104-665-11	ELECT	100µF	20%	25V
C1857	1-124-122-11	ELECT	100µF	20%	50V
C1858	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V

REF. NO.	PART NO.	DESCRIPTION			REMARK
C1859	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1860	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1861	1-124-122-11	ELECT	100µF	20%	50V
C1862	1-124-903-11	ELECT	1µF	20%	50V
C1863	1-136-173-00	FILM	0.47µF	5%	50V
C1864	1-124-903-11	ELECT	1µF	20%	50V
C1865	1-124-903-11	ELECT	1µF	20%	50V
C1866	1-126-967-11	ELECT	47µF	20%	50V

<CHIP CONDUCTOR>

CJ1	1-216-295-91	CONDUCTOR, CHIP
CJ2	1-216-295-91	CONDUCTOR, CHIP
CJ3	1-216-295-91	CONDUCTOR, CHIP
CJ4	1-216-295-91	CONDUCTOR, CHIP
CJ5	1-216-295-91	CONDUCTOR, CHIP
CJ6	1-216-295-91	CONDUCTOR, CHIP
CJ7	1-216-295-91	CONDUCTOR, CHIP
CJ8	1-216-295-91	CONDUCTOR, CHIP
CJ9	1-216-295-91	CONDUCTOR, CHIP
CJ10	1-216-295-91	CONDUCTOR, CHIP
CJ11	1-216-295-91	CONDUCTOR, CHIP
CJ12	1-216-295-91	CONDUCTOR, CHIP
CJ13	1-216-295-91	CONDUCTOR, CHIP
CJ16	1-216-295-91	CONDUCTOR, CHIP
CJ17	1-216-295-91	CONDUCTOR, CHIP
CJ18	1-216-295-91	CONDUCTOR, CHIP
CJ19	1-216-295-91	CONDUCTOR, CHIP
CJ20	1-216-295-91	CONDUCTOR, CHIP
CJ21	1-216-295-91	CONDUCTOR, CHIP
CJ22	1-216-295-91	CONDUCTOR, CHIP
CJ23	1-216-295-91	CONDUCTOR, CHIP
CJ24	1-216-295-91	CONDUCTOR, CHIP
CJ25	1-216-295-91	CONDUCTOR, CHIP
CJ26	1-216-295-91	CONDUCTOR, CHIP
CJ27	1-216-295-91	CONDUCTOR, CHIP
CJ28	1-216-295-91	CONDUCTOR, CHIP
CJ29	1-216-295-91	CONDUCTOR, CHIP
CJ30	1-216-295-91	CONDUCTOR, CHIP
CJ31	1-216-295-91	CONDUCTOR, CHIP
CJ34	1-216-295-91	CONDUCTOR, CHIP
CJ35	1-216-295-91	CONDUCTOR, CHIP
CJ36	1-216-295-91	CONDUCTOR, CHIP
CJ37	1-216-295-91	CONDUCTOR, CHIP
CJ38	1-216-295-91	CONDUCTOR, CHIP
CJ39	1-216-295-91	CONDUCTOR, CHIP
CJ42	1-216-295-91	CONDUCTOR, CHIP
CJ43	1-216-295-91	CONDUCTOR, CHIP
CJ44	1-216-295-91	CONDUCTOR, CHIP
CJ45	1-216-295-91	CONDUCTOR, CHIP
CJ46	1-216-295-91	CONDUCTOR, CHIP
CJ47	1-216-295-91	CONDUCTOR, CHIP
CJ48	1-216-295-91	CONDUCTOR, CHIP
CJ50	1-216-295-91	CONDUCTOR, CHIP
CJ51	1-216-295-91	CONDUCTOR, CHIP
CJ53	1-216-295-91	CONDUCTOR, CHIP
CJ54	1-216-295-91	CONDUCTOR, CHIP
CJ55	1-216-295-91	CONDUCTOR, CHIP
CJ57	1-216-295-91	CONDUCTOR, CHIP
CJ58	1-216-295-91	CONDUCTOR, CHIP
CJ59	1-216-295-91	CONDUCTOR, CHIP
CJ60	1-216-295-91	CONDUCTOR, CHIP
CJ62	1-216-295-91	CONDUCTOR, CHIP
CJ63	1-216-295-91	CONDUCTOR, CHIP

<CONNECTOR>

CN1509	* 1-564-506-11	PLUG, CONNECTOR 3P
CN1513	* 1-564-506-11	PLUG, CONNECTOR 3P

D

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The componants identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK
CN1612	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN1642	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN1672	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN1716	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN1756	* 1-564-508-11	PLUG, CONNECTOR 5P	
CN1757	* 1-564-516-11	PLUG, CONNECTOR 13P	
		<DIODE>	
D1501	8-719-908-03	DIODE GP08D	
D1502	8-719-109-89	DIODE RD5.6ESB2	
D1503	8-719-971-20	DIODE ERC38-06	
D1505	8-719-109-88	DIODE RD5.6ESB1	
D1551	8-719-109-72	DIODE RD3.9ESB2	
D1552	8-719-991-33	DIODE 1SS133T-77	
D1553	8-719-991-33	DIODE 1SS133T-77	
D1601	8-719-908-03	DIODE GP08D	
D1602	8-719-908-03	DIODE GP08D	
D1603	8-719-908-03	DIODE GP08D	
D1604	8-719-908-03	DIODE GP08D	
D1803	8-719-991-33	DIODE 1SS133T-77	
D1812	8-719-991-33	DIODE 1SS133T-77	
D1814	8-719-991-33	DIODE 1SS133T-77	
D1825	8-719-991-33	DIODE 1SS133T-77	
D1826	8-719-991-33	DIODE 1SS133T-77	
D1827	8-719-109-68	DIODE RD3.6ESB1	
D1931	8-719-110-60	DIODE RD24ESB	
D1932	8-719-110-60	DIODE RD24ESB	
D1934	8-719-110-60	DIODE RD24ESB	
D1935	8-719-110-60	DIODE RD24ESB	
D1936	8-719-110-60	DIODE RD24ESB	
D1937	8-719-110-60	DIODE RD24ESB	
D1942	8-719-110-60	DIODE RD24ESB	
D1945	8-719-110-60	DIODE RD24ESB	
D1946	8-719-110-60	DIODE RD24ESB	
D1947	8-719-110-60	DIODE RD24ESB	
D1948	8-719-110-36	DIODE RD13ESB2	
D1949	8-719-110-60	DIODE RD24ESB	
D1951	8-719-110-36	DIODE RD13ESB2	
D1953	8-719-110-36	DIODE RD13ESB2	
D1954	8-719-110-36	DIODE RD13ESB2	
		<FUSE>	
F1601	⚠ 1-532-745-11	FUSE, GLASS TUBE (3.15A/125V)	
	1-533-223-11	CLIP, FUSE; F1601	
F1602	⚠ 1-532-745-11	FUSE, GLASS TUBE (3.15A/125V)	
	1-533-223-11	CLIP, FUSE; F1602	
		<IC>	
IC1501	8-759-192-71	IC STV9379	
IC1601	8-749-010-88	IC STK392-010	
IC1602	8-749-010-88	IC STK392-010	
IC1701	8-752-861-57	IC CXP85112B-613S	
IC1702	8-759-041-54	IC MN1382S	
IC1801	8-759-327-52	IC PM0002B	
IC1802	8-759-327-51	IC PA0053B	
IC1803	8-759-012-67	IC MC7905CT	
IC1804	8-759-231-53	IC TA7805S	
IC1805	8-759-327-52	IC PM0002B	
IC1806	8-759-327-51	IC PA0053B	
IC1807	8-759-929-65	IC LM7912CT	
IC1808	8-759-231-58	IC TA7812S	
IC1809	8-759-327-52	IC PM0002B	
IC1931	8-759-711-28	IC NJM2058D	
IC1932	8-759-711-28	IC NJM2058D	

REF. NO.	PART NO.	DESCRIPTION			REMARK
		<COIL>			
L1501	1-412-533-21	INDUCTOR 47µH			
L1502	1-412-533-21	INDUCTOR 47µH			
L1503	1-412-524-11	INDUCTOR 8.2µH			
L1515	1-410-470-11	INDUCTOR 10µH			
L1516	1-410-482-31	INDUCTOR 100µH			
L1701	1-410-470-11	INDUCTOR 10µH			
L1801	1-406-975-21	COIL, CHOKE 47µH			
L1802	1-406-975-21	COIL, CHOKE 47µH			
		<TRANSISTOR>			
Q1501	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1502	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1551	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1552	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1701	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1801	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1802	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1803	8-729-900-36	TRANSISTOR DTC124ES			
Q1804	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1805	8-729-900-36	TRANSISTOR DTC124ES			
		<RESISTOR>			
R1501	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R1502	1-208-814-11	METAL CHIP	22K	0.50% 1/10W	
R1504	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
R1505	1-216-085-00	METAL GLAZE	33K	5% 1/10W	
R1506	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R1507	1-208-814-11	METAL CHIP	22K	0.50% 1/10W	
R1508	1-216-057-00	METAL GLAZE	2.2K	5% 1/10W	
R1509	⚠ 1-249-383-91	CARBON	1.5	5% 1/4W	F
R1510	1-214-671-11	METAL	3.9	1% 1/4W	
R1511	1-214-671-11	METAL	3.9	1% 1/4W	
R1512	1-215-912-11	METAL OXIDE	150	5% 3W	F
R1513	1-214-671-11	METAL	3.9	1% 1/4W	
R1514	1-216-632-11	METAL CHIP	160	0.50% 1/10W	
R1515	1-216-639-11	METAL CHIP	330	0.50% 1/10W	
R1516	1-214-671-11	METAL	3.9	1% 1/4W	
R1517	1-216-647-11	METAL CHIP	680	0.50% 1/10W	
R1518	1-216-665-11	METAL CHIP	3.9K	0.50% 1/10W	
R1519	⚠ 1-249-385-71	CARBON	2.2	5% 1/4W	F
R1520	⚠ 1-249-385-71	CARBON	2.2	5% 1/4W	F
R1521	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R1522	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R1523	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R1551	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
R1552	1-216-063-91	METAL GLAZE	3.9K	5% 1/10W	
R1553	1-216-077-00	METAL GLAZE	15K	5% 1/10W	
R1554	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R1559	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R1562	1-216-025-91	METAL GLAZE	100	5% 1/10W	
R1603	1-216-663-11	METAL CHIP	3.3K	0.50% 1/10W	
R1604	1-216-663-11	METAL CHIP	3.3K	0.50% 1/10W	
R1605	1-216-663-11	METAL CHIP	3.3K	0.50% 1/10W	
R1606	1-216-663-11	METAL CHIP	3.3K	0.50% 1/10W	
R1607	1-216-663-11	METAL CHIP	3.3K	0.50% 1/10W	
R1608	1-216-663-11	METAL CHIP	3.3K	0.50% 1/10W	
R1610	1-214-729-00	METAL	1K	1% 1/4W	
R1612	1-214-729-00	METAL	1K	1% 1/4W	
R1613	1-214-673-00	METAL	4.7	1% 1/4W	
R1615	1-214-673-00	METAL	4.7	1% 1/4W	
R1616	1-214-673-00	METAL	4.7	1% 1/4W	
R1618	1-214-673-00	METAL	4.7	1% 1/4W	
R1619	1-214-673-00	METAL	4.7	1% 1/4W	
R1620	1-214-673-00	METAL	4.7	1% 1/4W	
R1621	1-214-673-00	METAL	4.7	1% 1/4W	
R1622	1-214-673-00	METAL	4.7	1% 1/4W	

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REF. NO.	PART NO.	DESCRIPTION			REMARK
R1623	1-214-729-00	METAL	1K	1%	1/4W
R1624	1-214-729-00	METAL	1K	1%	1/4W
R1625	1-214-673-00	METAL	4.7	1%	1/4W
R1626	1-214-673-00	METAL	4.7	1%	1/4W
R1627	1-214-673-00	METAL	4.7	1%	1/4W
R1628	1-214-673-00	METAL	4.7	1%	1/4W
R1629	1-214-673-00	METAL	4.7	1%	1/4W
R1630	1-214-673-00	METAL	4.7	1%	1/4W
R1631	1-214-729-00	METAL	1K	1%	1/4W
R1632	1-214-673-00	METAL	4.7	1%	1/4W
R1633	1-214-673-00	METAL	4.7	1%	1/4W
R1634	1-214-729-00	METAL	1K	1%	1/4W
R1635	1-214-673-00	METAL	4.7	1%	1/4W
R1636	1-214-673-00	METAL	4.7	1%	1/4W
R1637	1-214-673-00	METAL	4.7	1%	1/4W
R1638	1-214-673-00	METAL	4.7	1%	1/4W
R1639	1-214-673-00	METAL	4.7	1%	1/4W
R1640	1-214-673-00	METAL	4.7	1%	1/4W
R1641	1-214-673-00	METAL	4.7	1%	1/4W
R1642	1-214-673-00	METAL	4.7	1%	1/4W
R1717	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1721	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1737	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1740	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1748	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1749	1-216-295-91	CONDUCTOR, CHIP			
R1751	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R1752	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1760	1-216-295-91	CONDUCTOR, CHIP			
R1788	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1801	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1802	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1803	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1804	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1805	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R1806	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R1807	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R1808	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1809	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R1810	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1811	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R1812	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1813	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1814	1-216-699-11	METAL CHIP	100K	0.50%	1/10W
R1815	1-216-697-91	METAL CHIP	82K	0.50%	1/10W
R1816	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1817	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1818	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1819	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1820	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1821	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1823	1-208-811-11	METAL CHIP	16K	0.50%	1/10W
R1824	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1825	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1826	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1827	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1828	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1829	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1830	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1831	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1832	1-216-677-11	METAL CHIP	12K	0.50%	1/10W
R1833	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1834	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1835	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1836	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R1837	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1838	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1839	1-216-031-00	METAL GLAZE	180	5%	1/10W
R1840	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1841	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1842	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1843	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1844	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1845	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R1846	1-216-125-00	METAL GLAZE	1.5M	5%	1/10W
R1847	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1848	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R1849	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R1850	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1851	1-216-043-91	METAL GLAZE	560	5%	1/10W
R1852	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1853	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1854	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1855	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1856	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1857	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1858	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1859	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1860	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1861	1-216-473-11	METAL OXIDE	56	5%	3W F
R1862	1-216-473-11	METAL OXIDE	56	5%	3W F
R1863	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1864	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1865	1-216-473-11	METAL OXIDE	56	5%	3W F
R1866	1-216-473-11	METAL OXIDE	56	5%	3W F
R1868	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1869	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1870	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1871	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1872	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1873	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1874	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1875	1-208-824-11	METAL CHIP	56K	0.50%	1/10W
R1876	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1877	1-208-810-11	METAL CHIP	15K	0.50%	1/10W
R1878	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1879	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R1880	1-218-768-11	METAL CHIP	470K	0.50%	1/10W
R1881	1-216-295-91	CONDUCTOR, CHIP			
R1883	1-216-677-11	METAL CHIP	12K	0.50%	1/10W
R1884	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1885	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1886	1-216-031-00	METAL GLAZE	180	5%	1/10W
R1887	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1888	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1889	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1890	1-216-125-00	METAL GLAZE	1.5M	5%	1/10W
R1891	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1892	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R1893	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1894	⚠ 1-249-389-91	CARBON	4.7	5%	1/4W F
R1895	1-216-043-91	METAL GLAZE	560	5%	1/10W
R1896	⚠ 1-249-389-91	CARBON	4.7	5%	1/4W F
R1897	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1898	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1899	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1900	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1901	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1902	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1903	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1904	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1905	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1907	1-208-810-11	METAL CHIP	15K	0.50%	1/10W
R1908	1-208-814-11	METAL CHIP	22K	0.50%	1/10W
R1909	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1910	1-216-685-11	METAL CHIP	27K	0.50%	1/10W

D HA HB

REF. NO.	PART NO.	DESCRIPTION			REMARK	
R1911	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	
R1912	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	
R1913	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	
R1914	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	
R1915	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	
R1916	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R1917	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	
R1918	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R1919	1-208-822-11	METAL CHIP	47K	0.50%	1/10W	
R1920	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R1923	1-216-677-11	METAL CHIP	12K	0.50%	1/10W	
R1925	1-216-031-00	METAL GLAZE	180	5%	1/10W	
R1926	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	
R1927	1-216-125-00	METAL GLAZE	1.5M	5%	1/10W	
R1928	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	
R1931	1-216-698-11	METAL CHIP	91K	0.50%	1/10W	
R1935	1-218-766-11	METAL CHIP	390K	0.50%	1/10W	
R1937	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	
R1938	1-208-810-11	METAL CHIP	15K	0.50%	1/10W	
R1940	1-208-812-11	METAL CHIP	18K	0.50%	1/10W	
R1941	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	
R1942	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	
R1943	1-216-699-11	METAL CHIP	100K	0.50%	1/10W	
R1944	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	
R1947	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1948	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R1949	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R1950	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R1951	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	
R1952	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	
R1954	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	
R1955	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	
R1956	1-208-800-11	METAL CHIP	5.6K	0.50%	1/10W	
R1957	1-208-824-11	METAL CHIP	56K	0.50%	1/10W	
R1958	1-208-800-11	METAL CHIP	5.6K	0.50%	1/10W	
R1959	1-208-824-11	METAL CHIP	56K	0.50%	1/10W	
R1960	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	
R1961	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	
R1962	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R1963	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1964	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R1965	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1966	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1967	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
R1970	1-208-774-11	METAL CHIP	470	0.50%	1/10W	
R1971	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	
R1981	1-216-473-11	METAL OXIDE	56	5%	3W	F
R1982	1-216-473-11	METAL OXIDE	56	5%	3W	F
R1983	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R1984	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R1985	1-216-025-91	METAL GLAZE	100	5%	1/10W	
		<THERMISTOR>				
TH1501	1-807-925-11	THERMISTOR				
TH1801	1-808-269-11	THERMISTOR				
		<CRYSTAL>				
X1701	1-579-917-11	VIBRATOR, CRYSTAL				

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* A-1372-140-A HA BOARD, COMPLETE
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4-033-777-01 HOLDER, LED

REF. NO.	PART NO.	DESCRIPTION			REMARK
		<CAPACITOR>			
C101	1-126-964-11	ELECT	10µF	20%	50V
C103	1-126-964-11	ELECT	10µF	20%	50V
C104	1-126-964-11	ELECT	10µF	20%	50V
		<CONNECTOR>			
CN101	* 1-564-521-11	PLUG, CONNECTOR 6P			
CN102	* 1-564-520-11	PLUG, CONNECTOR 5P			
CN103	1-564-517-11	PLUG, CONNECTOR 2P			
		<DIODE>			
D102	8-719-812-41	DIODE TLR124			
D103	8-719-812-41	DIODE TLR124			
		<IC>			
IC101	8-741-810-90	ELEMENT,RAY-CATCHER SBX1810-09			
		<RESISTOR>			
R101	1-247-807-31	CARBON	100	5%	1/4W
R102	1-247-807-31	CARBON	100	5%	1/4W
R104	1-247-815-91	CARBON	220	5%	1/4W
R105	1-249-416-11	CARBON	820	5%	1/4W
R106	1-249-417-11	CARBON	1K	5%	1/4W
R107	1-249-420-11	CARBON	1.8K	5%	1/4W
R108	1-249-425-11	CARBON	4.7K	5%	1/4W
R112	1-247-815-91	CARBON	220	5%	1/4W
R114	1-249-414-11	CARBON	560	5%	1/4W
		<SWITCH>			
S101	1-572-198-11	SWITCH, KEYBOARD			
S102	1-572-198-11	SWITCH, KEYBOARD			
S103	1-572-198-11	SWITCH, KEYBOARD			
S104	1-572-198-11	SWITCH, KEYBOARD			
S105	1-572-198-11	SWITCH, KEYBOARD			
S106	1-572-198-11	SWITCH, KEYBOARD			

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* A-1372-141-A HB BOARD, COMPLETE
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		<CAPACITOR>			
C105	1-164-096-11	CERAMIC	0.01µF		50V
C106	1-126-965-11	ELECT	22µF	20%	50V
C107	1-124-903-11	ELECT	1µF	20%	50V
C108	1-124-903-11	ELECT	1µF	20%	50V
C109	1-126-965-11	ELECT	22µF	20%	50V
		<CONNECTOR>			
CN104	* 1-564-526-11	PLUG, CONNECTOR 11P			
CN105	1-564-517-11	PLUG, CONNECTOR 2P			
		<DIODE>			
D105	8-719-121-24	DIODE RD9.1ESL			
D106	8-719-121-24	DIODE RD9.1ESL			
D107	8-719-121-24	DIODE RD9.1ESL			
D108	8-719-121-24	DIODE RD9.1ESL			
D109	8-719-121-24	DIODE RD9.1ESL			

REF. NO.	PART NO.	DESCRIPTION			REMARK
D110	8-719-121-24	DIODE RD9.1ESL			
		<JACK>			
J101	1-764-073-11	TERMINAL BLOCK, S 4P			
		<RESISTOR>			
R115	1-249-417-11	CARBON	1K	5%	1/4W
R116	1-247-804-11	CARBON	75	5%	1/4W
R117	1-247-804-11	CARBON	75	5%	1/4W
R118	1-247-804-11	CARBON	75	5%	1/4W
R119	1-247-895-91	CARBON	470K	5%	1/4W
R120	1-247-895-91	CARBON	470K	5%	1/4W
R121	1-249-417-11	CARBON	1K	5%	1/4W
R122	1-249-417-11	CARBON	1K	5%	1/4W
R123	1-249-432-11	CARBON	18K	5%	1/4W
		<SWITCH>			
S107	1-572-198-11	SWITCH, KEYBOARD			

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* A-1373-526-A U BOARD, COMPLETE
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		<CAPACITOR>			
C1001	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C1002	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C1003	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C1004	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C1005	1-124-903-11	ELECT	1µF	20%	50V
C1006	1-124-903-11	ELECT	1µF	20%	50V
C1007	1-126-965-11	ELECT	22µF	20%	50V
C1008	1-126-965-11	ELECT	22µF	20%	50V
C1009	1-124-903-11	ELECT	1µF	20%	50V
C1010	1-124-903-11	ELECT	1µF	20%	50V
C1011	1-126-965-11	ELECT	22µF	20%	50V
C1012	1-126-965-11	ELECT	22µF	20%	50V
C1013	1-124-903-11	ELECT	1µF	20%	50V
C1014	1-124-903-11	ELECT	1µF	20%	50V
C1015	1-126-965-11	ELECT	22µF	20%	50V
C1016	1-126-965-11	ELECT	22µF	20%	50V
C1017	1-124-903-11	ELECT	1µF	20%	50V
C1018	1-124-903-11	ELECT	1µF	20%	50V
C1019	1-126-965-11	ELECT	22µF	20%	50V
C1020	1-126-965-11	ELECT	22µF	20%	50V
C1021	1-126-965-11	ELECT	22µF	20%	50V
C1022	1-126-964-11	ELECT	10µF	20%	50V
C1023	1-126-964-11	ELECT	10µF	20%	50V
C1024	1-124-903-11	ELECT	1µF	20%	50V
C1025	1-124-903-11	ELECT	1µF	20%	50V
C1026	1-126-964-11	ELECT	10µF	20%	50V
C1027	1-126-964-11	ELECT	10µF	20%	50V
C1028	1-126-935-11	ELECT	470µF	20%	16V
C1030	1-124-903-11	ELECT	1µF	20%	50V
C1031	1-124-903-11	ELECT	1µF	20%	50V
C1033	1-104-664-11	ELECT	47µF	20%	25V
C1034	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C1035	1-126-935-11	ELECT	470µF	20%	16V
C1036	1-124-903-11	ELECT	1µF	20%	50V
C1043	1-104-665-11	ELECT	100µF	20%	25V
C1044	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C1046	1-124-903-11	ELECT	1µF	20%	50V
C1047	1-126-967-11	ELECT	47µF	20%	50V
C1048	1-124-903-11	ELECT	1µF	20%	50V
C1049	1-126-965-11	ELECT	22µF	20%	50V
C1050	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C1051	1-126-965-11	ELECT	22µF	20%	50V
C1052	1-104-665-11	ELECT	100µF	20%	25V
C1053	1-126-934-11	ELECT	220µF	20%	16V
C1054	1-126-933-11	ELECT	100µF	20%	16V
		<FILTER BLOCK>			
CM1001	1-466-912-21	FILTER BLOCK, COMB			
		<CONNECTOR>			
CN1001	* 1-564-514-11	PLUG, CONNECTOR 11P			
CN1002	* 1-564-509-11	PLUG, CONNECTOR 6P			
CN1003	* 1-564-513-11	PLUG, CONNECTOR 10P			
CN1004	* 1-564-507-11	PLUG, CONNECTOR 4P			
CN1005	* 1-564-506-11	PLUG, CONNECTOR 3P			
CN1006	* 1-566-641-11	CONNECTOR, HINGE (TAB) 18P			
CN1007	* 1-566-641-11	CONNECTOR, HINGE (TAB) 18P			
CN1008	1-695-915-11	TAB (CONTACT)			
		<DIODE>			
D1001	8-719-106-62	DIODE RD11M-B2			
D1002	8-719-106-62	DIODE RD11M-B2			
D1003	8-719-106-62	DIODE RD11M-B2			
D1004	8-719-106-62	DIODE RD11M-B2			
D1005	8-719-106-62	DIODE RD11M-B2			
D1006	8-719-106-62	DIODE RD11M-B2			
D1007	8-719-106-62	DIODE RD11M-B2			
D1008	8-719-106-62	DIODE RD11M-B2			
D1009	8-719-106-62	DIODE RD11M-B2			
D1010	8-719-106-62	DIODE RD11M-B2			
D1011	8-719-106-62	DIODE RD11M-B2			
D1012	8-719-106-62	DIODE RD11M-B2			
D1013	8-719-106-62	DIODE RD11M-B2			
D1014	8-719-106-62	DIODE RD11M-B2			
D1016	8-719-106-62	DIODE RD11M-B2			
D1017	8-719-106-62	DIODE RD11M-B2			
D1018	8-719-106-62	DIODE RD11M-B2			
D1019	8-719-106-62	DIODE RD11M-B2			
D1020	8-719-106-62	DIODE RD11M-B2			
D1021	8-719-106-62	DIODE RD11M-B2			
D1022	8-719-106-62	DIODE RD11M-B2			
D1023	8-719-106-62	DIODE RD11M-B2			
D1024	8-719-106-62	DIODE RD11M-B2			
D1025	8-719-106-62	DIODE RD11M-B2			
D1026	8-719-400-75	DIODE MA3091			
D1027	8-719-400-75	DIODE MA3091			
D1028	8-719-400-75	DIODE MA3091			
D1029	8-719-400-75	DIODE MA3091			
D1030	8-719-400-75	DIODE MA3091			
D1031	8-719-400-75	DIODE MA3091			
D1032	8-719-106-62	DIODE RD11M-B2			
D1033	8-719-106-62	DIODE RD11M-B2			
D1037	8-719-402-92	DIODE MA3220M-TX			
D1038	8-719-402-92	DIODE MA3220M-TX			
D1039	8-719-402-92	DIODE MA3220M-TX			
D1040	8-719-402-92	DIODE MA3220M-TX			
D1041	8-719-402-92	DIODE MA3220M-TX			
D1042	8-719-402-92	DIODE MA3220M-TX			
D1043	8-719-106-62	DIODE RD11M-B2			
D1044	8-719-106-62	DIODE RD11M-B2			
D1045	8-719-402-92	DIODE MA3220M-TX			
D1046	8-719-402-92	DIODE MA3220M-TX			
D1047	8-719-400-75	DIODE MA3091			
D1048	8-719-400-75	DIODE MA3091			

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REF. NO.	PART NO.	DESCRIPTION	REMARK
D1049	8-719-400-75	DIODE MA3091	
D1050	8-719-400-75	DIODE MA3091	
D1051	8-719-400-75	DIODE MA3091	
D1052	8-719-400-75	DIODE MA3091	
		<IC>	
IC1001	8-752-066-69	IC CXA1845Q	
		<JACK>	
J1001	1-573-967-11	BLOCK, (S) TERMINAL	
J1002	1-573-967-11	BLOCK, (S) TERMINAL	
J1003	1-573-969-11	JACK BLOCK, PIN	
J1004	1-573-969-11	JACK BLOCK, PIN	
J1005	1-695-054-11	JACK BLOCK, PIN	
J1007	1-563-760-11	JACK, MINIATUER (DIA. 3.5)	
J1008	1-563-760-11	JACK, MINIATUER (DIA. 3.5)	
		<TRANSISTOR>	
Q1001	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1002	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1003	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1004	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1005	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1006	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1007	8-729-807-51	TRANSISTOR 2SD1623-S	
Q1008	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1009	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1010	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1011	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1012	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1013	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1014	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1015	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1016	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1017	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1033	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1034	8-729-422-27	TRANSISTOR 2SD601A-Q	
		<RESISTOR>	
R1001	1-216-105-91	METAL GLAZE 220K 5%	1/10W
R1002	1-216-105-91	METAL GLAZE 220K 5%	1/10W
R1003	1-216-022-00	METAL GLAZE 75 5%	1/10W
R1004	1-216-022-00	METAL GLAZE 75 5%	1/10W
R1005	1-216-022-00	METAL GLAZE 75 5%	1/10W
R1006	1-216-105-91	METAL GLAZE 220K 5%	1/10W
R1007	1-216-105-91	METAL GLAZE 220K 5%	1/10W
R1008	1-216-022-00	METAL GLAZE 75 5%	1/10W
R1009	1-216-022-00	METAL GLAZE 75 5%	1/10W
R1010	1-216-022-00	METAL GLAZE 75 5%	1/10W
R1011	1-216-105-91	METAL GLAZE 220K 5%	1/10W
R1012	1-216-105-91	METAL GLAZE 220K 5%	1/10W
R1013	1-216-022-00	METAL GLAZE 75 5%	1/10W
R1014	1-216-022-00	METAL GLAZE 75 5%	1/10W
R1015	1-216-022-00	METAL GLAZE 75 5%	1/10W
R1016	1-216-105-91	METAL GLAZE 220K 5%	1/10W
R1017	1-216-105-91	METAL GLAZE 220K 5%	1/10W
R1018	1-216-022-00	METAL GLAZE 75 5%	1/10W
R1019	1-216-022-00	METAL GLAZE 75 5%	1/10W
R1020	1-216-022-00	METAL GLAZE 75 5%	1/10W
R1021	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R1022	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R1023	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R1025	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R1026	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R1027	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R1028	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R1029	1-216-049-91	METAL GLAZE 1K 5%	1/10W
R1030	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1031	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1032	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1033	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R1034	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1035	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1036	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R1037	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1038	1-216-041-00	METAL GLAZE 470 5%	1/10W
R1039	1-216-041-00	METAL GLAZE 470 5%	1/10W
R1040	1-216-041-00	METAL GLAZE 470 5%	1/10W
R1041	1-216-041-00	METAL GLAZE 470 5%	1/10W
R1042	1-216-041-00	METAL GLAZE 470 5%	1/10W
R1043	1-216-041-00	METAL GLAZE 470 5%	1/10W
R1044	1-216-022-00	METAL GLAZE 75 5%	1/10W
R1045	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1046	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1047	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1048	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1049	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1050	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1051	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1052	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R1053	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R1054	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R1055	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1056	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1057	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1058	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1059	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1060	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1061	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1062	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1063	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1064	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1065	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1066	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1067	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1068	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1069	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1070	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1071	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1072	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1073	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1074	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R1075	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1076	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1077	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1078	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1079	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1080	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1081	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1082	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1083	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1084	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1085	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1086	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1087	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1088	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1089	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R1090	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1091	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1093	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1094	1-216-025-91	METAL GLAZE 100 5%	1/10W
R1095	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R1096	1-216-025-91	METAL GLAZE 100 5%	1/10W

U K

REF. NO.	PART NO.	DESCRIPTION			REMARK
R1097	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1100	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1101	1-216-295-91	CONDUCTOR, CHIP			
R1103	1-216-295-91	CONDUCTOR, CHIP			
R1104	1-216-093-00	METAL GLAZE	68K	5%	1/10W
R1106	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1107	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1108	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1109	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1110	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1111	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1112	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1115	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1116	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1117	1-249-406-11	CARBON	120	5%	1/4W F
R1118	1-216-017-91	METAL GLAZE	47	5%	1/10W
R1119	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1120	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1121	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1122	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1123	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1124	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1125	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1126	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1127	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1128	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1129	1-216-017-91	METAL GLAZE	47	5%	1/10W
R1130	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1131	1-216-017-91	METAL GLAZE	47	5%	1/10W
R1132	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1133	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1134	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1135	1-216-041-00	METAL GLAZE	470	5%	1/10W
R1136	1-216-017-91	METAL GLAZE	47	5%	1/10W
R1137	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1138	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1139	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1140	1-216-295-91	CONDUCTOR, CHIP			
R1141	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1142	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1171	1-249-405-11	CARBON	100	5%	1/4W F
R1172	1-249-405-11	CARBON	100	5%	1/4W F
R1175	1-216-043-91	METAL GLAZE	560	5%	1/10W
R1176	1-216-045-00	METAL GLAZE	680	5%	1/10W
R1177	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R1178	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R1179	1-216-043-91	METAL GLAZE	560	5%	1/10W
R1180	1-216-045-00	METAL GLAZE	680	5%	1/10W
R1181	1-216-049-91	METAL GLAZE	1K	5%	1/10W

<TERMINAL BOARD>

TB1001	1-537-712-11	TERMINAL, PUSH
TB1002	1-537-712-11	TERMINAL, PUSH
TB1003	1-537-712-11	TERMINAL, PUSH

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* A-1380-499-A K BOARD, COMPLETE (KP-53XBR45)
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* A-1380-498-A K BOARD, COMPLETE (KP-61XBR48)
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4-382-854-11 SCREW (M3X10), P, SW (+)

<CAPACITOR>

REF. NO.	PART NO.	DESCRIPTION			REMARK
C201	1-126-964-11	ELECT	10µF	20%	50V
C202	1-126-964-11	ELECT	10µF	20%	50V
C203	1-126-964-11	ELECT	10µF	20%	50V
C204	1-104-664-11	ELECT	47µF	20%	25V
C205	1-104-664-11	ELECT	47µF	20%	25V
C208	1-124-903-11	ELECT	1µF	20%	50V
C209	1-124-903-11	ELECT	1µF	20%	50V
C210	1-104-665-11	ELECT	100µF	20%	25V
C211	1-137-399-11	FILM	0.1µF	5%	50V
C212	1-137-399-11	FILM	0.1µF	5%	50V
C213	1-126-944-11	ELECT	3300µF	20%	25V
C214	1-126-944-11	ELECT	3300µF	20%	25V
C216	1-137-399-11	FILM	0.1µF	5%	50V
C217	1-137-399-11	FILM	0.1µF	5%	50V
C219	1-104-665-11	ELECT	100µF	20%	25V
C220	1-123-549-00	ELECT	6.8µF	20%	50V (KP-61XBR48)
C221	1-123-549-00	ELECT	6.8µF	20%	50V (KP-61XBR48)
C224	1-124-903-11	ELECT	1µF	20%	50V
C225	1-124-903-11	ELECT	1µF	20%	50V
C226	1-126-964-11	ELECT	10µF	20%	50V
C227	1-126-964-11	ELECT	10µF	20%	50V
C228	1-124-903-11	ELECT	1µF	20%	50V
C230	1-124-903-11	ELECT	1µF	20%	50V
C231	1-137-399-11	FILM	0.1µF	5%	50V
C232	1-137-399-11	FILM	0.1µF	5%	50V
C233	1-126-964-11	ELECT	10µF	20%	50V
C234	1-126-964-11	ELECT	10µF	20%	50V
C235	1-124-903-11	ELECT	1µF	20%	50V
C236	1-124-903-11	ELECT	1µF	20%	50V
C237	1-137-399-11	FILM	0.1µF	5%	50V
C238	1-137-399-11	FILM	0.1µF	5%	50V
C239	1-137-399-11	FILM	0.1µF	5%	50V
C240	1-137-399-11	FILM	0.1µF	5%	50V
C241	1-137-399-11	FILM	0.1µF	5%	50V

<CONNECTOR>

CN201	* 1-564-509-11	PLUG, CONNECTOR 6P
CN202	* 1-564-510-11	PLUG, CONNECTOR 7P
CN204	* 1-573-986-11	PIN, CONNECTOR (PC BOARD) 5P
CN205	* 1-691-135-11	PIN, CONNECTOR (PC BOARD) 4P
CN206	* 1-691-135-11	PIN, CONNECTOR (PC BOARD) 4P
CN207	* 1-564-507-11	PLUG, CONNECTOR 4P

<DIODE>

D201	8-719-991-33	DIODE 1SS133T-77
D202	8-719-991-33	DIODE 1SS133T-77
D203	8-719-991-33	DIODE 1SS133T-77
D204	8-719-991-33	DIODE 1SS133T-77
D205	8-719-110-56	DIODE RD22ESB1
D206	8-719-110-56	DIODE RD22ESB1
D207	8-719-110-56	DIODE RD22ESB1
D208	8-719-110-56	DIODE RD22ESB1

<IC>

IC201	8-759-190-89	IC TDA7265
IC202	8-759-072-99	IC TDA2052
IC203	8-759-190-89	IC TDA7265

<TRANSISTOR>

Q201	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q202	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q203	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q204	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q205	8-729-119-76	TRANSISTOR 2SA1175-HFE

K **ZR** **ZG**

REF. NO.	PART NO.	DESCRIPTION				REMARK
Q206	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q207	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q208	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q209	8-729-119-78	TRANSISTOR 2SC2785-HFE				
		<RESISTOR>				
R201	1-249-413-11	CARBON	470	5%	1/4W	
R202	1-249-432-11	CARBON	18K	5%	1/4W	
R203	1-249-429-11	CARBON	10K	5%	1/4W	
R204	1-249-414-11	CARBON	560	5%	1/4W	
R205	1-249-432-11	CARBON	18K	5%	1/4W	
R206	1-249-441-11	CARBON	100K	5%	1/4W	
R207	1-249-429-11	CARBON	10K	5%	1/4W	
R208	1-249-414-11	CARBON	560	5%	1/4W	
R209	1-249-432-11	CARBON	18K	5%	1/4W	
R210	1-249-413-11	CARBON	470	5%	1/4W	
R212	1-249-432-11	CARBON	18K	5%	1/4W	
R213	1-249-435-11	CARBON	33K	5%	1/4W	
R214	1-249-431-11	CARBON	15K	5%	1/4W	
R215	1-249-429-11	CARBON	10K	5%	1/4W	
R217	1-249-434-11	CARBON	27K	5%	1/4W	
R219	1-249-434-11	CARBON	27K	5%	1/4W	
R223	1-249-430-11	CARBON	12K	5%	1/4W	
R225	1-247-807-31	CARBON	100	5%	1/4W	
R226	1-216-357-00	METAL OXIDE	4.7	5%	1W	F
R228	1-249-417-11	CARBON	1K	5%	1/4W	
R229	1-249-437-11	CARBON	47K	5%	1/4W	
R231	1-249-417-11	CARBON	1K	5%	1/4W	
R233	1-216-357-00	METAL OXIDE	4.7	5%	1W	F
R235	1-249-429-11	CARBON	10K	5%	1/4W	
R236	1-249-429-11	CARBON	10K	5%	1/4W	
R240	1-249-434-11	CARBON	27K	5%	1/4W	
R241	1-249-429-11	CARBON	10K	5%	1/4W	
R242	1-249-429-11	CARBON	10K	5%	1/4W	
R244	1-249-425-11	CARBON	4.7K	5%	1/4W	
R245	1-249-436-11	CARBON	39K	5%	1/4W	
R246	1-249-436-11	CARBON	39K	5%	1/4W	
R247	1-247-791-91	CARBON	22	5%	1/4W	
R248	1-247-863-91	CARBON	22K	5%	1/4W	
R249	1-249-412-11	CARBON	390	5%	1/4W	
R250	1-249-434-11	CARBON	27K	5%	1/4W	
R251	1-247-863-91	CARBON	22K	5%	1/4W	
R252	1-249-426-11	CARBON	5.6K	5%	1/4W	
R253	1-247-791-91	CARBON	22	5%	1/4W	
R254	1-249-429-11	CARBON	10K	5%	1/4W	
R255	1-249-434-11	CARBON	27K	5%	1/4W	
R256	1-249-412-11	CARBON	390	5%	1/4W	
R257	1-249-441-11	CARBON	100K	5%	1/4W	
R258	1-249-429-11	CARBON	10K	5%	1/4W	
R259	1-249-412-11	CARBON	390	5%	1/4W	
R260	1-247-791-91	CARBON	22	5%	1/4W	
R261	1-249-434-11	CARBON	27K	5%	1/4W	
R262	1-249-431-11	CARBON	15K	5%	1/4W	
R263	1-249-435-11	CARBON	33K	5%	1/4W	
R264	1-249-429-11	CARBON	10K	5%	1/4W	
R265	1-249-434-11	CARBON	27K	5%	1/4W	
R266	1-249-434-11	CARBON	27K	5%	1/4W	
R267	1-216-357-00	METAL OXIDE	4.7	5%	1W	F
R268	1-216-357-00	METAL OXIDE	4.7	5%	1W	F
R269	1-216-357-00	METAL OXIDE	4.7	5%	1W	F

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* A-1390-487-A ZR BOARD, COMPLETE
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4-382-854-11 SCREW (M3X10), P, SW (+)

REF. NO.	PART NO.	DESCRIPTION				REMARK
		<CAPACITOR>				
C1403	1-102-978-00	CERAMIC	220PF	5%	50V	
C1404	1-107-638-11	ELECT	33µF	20%	160V	
C1405	1-104-665-11	ELECT	100µF	20%	25V	
C1406	1-107-370-11	FILM	0.1µF	10%	200V	
C1407	1-104-665-11	ELECT	100µF	20%	25V	
C1408	1-107-362-11	FILM	0.0047µF	10%	200V	
C1409	1-107-667-11	ELECT	2.2µF	20%	160V	
C1410	1-107-362-11	FILM	0.0047µF	10%	200V	
C1411	1-137-364-11	FILM	0.001µF	5%	50V	
C1412	1-137-364-11	FILM	0.001µF	5%	50V	
C1413	1-161-830-00	CERAMIC	0.0047µF		500V	
C1414	1-126-940-11	ELECT	330µF	20%	16V	
C1415	1-164-046-11	CERAMIC	10PF	0.5PF	50V	
C1416	1-102-973-00	CERAMIC	100PF	5%	50V	
		<CONNECTOR>				
CN1411	*1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P				
CN1412	*1-564-507-11	PLUG, CONNECTOR 4P				
CN1413	*1-564-506-11	PLUG, CONNECTOR 3P				
CN1414	*1-564-509-11	PLUG, CONNECTOR 6P				
CN1415	*1-564-510-11	PLUG, CONNECTOR 7P				
CN1416	1-695-915-11	TAB (CONTACT)				
		<DIODE>				
D1401	8-719-110-88	DIODE RD39ESB2				
D1402	8-719-110-88	DIODE RD39ESB2				
		<TRANSISTOR>				
Q1401	8-729-017-06	TRANSISTOR 2SC4793				
Q1402	8-729-017-05	TRANSISTOR 2SA1837				
Q1403	8-729-140-96	TRANSISTOR 2SD774-34				
		<RESISTOR>				
R1401	1-249-414-11	CARBON	560	5%	1/4W	
R1402	1-249-414-11	CARBON	560	5%	1/4W	
R1405	1-249-417-11	CARBON	1K	5%	1/4W	
R1406	1-216-479-11	METAL OXIDE	560	5%	3W	F
R1407	1-249-400-11	CARBON	39	5%	1/4W	F
R1408	1-249-384-11	CARBON	1.8	5%	1/4W	F
R1409	1-249-384-11	CARBON	1.8	5%	1/4W	F
R1410	1-247-734-11	CARBON	39	5%	1/2W	F
R1411	1-249-417-11	CARBON	1K	5%	1/4W	F
R1412	1-249-414-11	CARBON	560	5%	1/4W	
R1413	1-249-432-11	CARBON	18K	5%	1/4W	
R1414	1-249-432-11	CARBON	18K	5%	1/4W	
R1415	1-249-414-11	CARBON	560	5%	1/4W	F
R1416	1-216-451-11	METAL OXIDE	120	5%	2W	F
R1417	1-216-475-11	METAL OXIDE	120	5%	3W	F
R1418	1-249-377-11	CARBON	0.47	5%	1/4W	F
R1419	1-247-815-91	CARBON	220	5%	1/4W	
R1420	1-216-475-11	METAL OXIDE	120	5%	3W	F
R1421	1-249-417-11	CARBON	1K	5%	1/4W	

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* A-1390-489-A ZG BOARD, COMPLETE
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<CAPACITOR>

ZG ZB X

REF. NO.	PART NO.	DESCRIPTION			REMARK
C1433	1-102-973-00	CERAMIC	100PF	5%	50V
		<CONNECTOR>			
CN1441	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P			
CN1442	* 1-564-507-11	PLUG, CONNECTOR 4P			
CN1443	* 1-564-506-11	PLUG, CONNECTOR 3P			
CN1445	* 1-564-510-11	PLUG, CONNECTOR 7P			
		<RESISTOR>			
R1431	1-249-414-11	CARBON	560	5%	1/4W
R1432	1-249-414-11	CARBON	560	5%	1/4W
R1435	1-216-475-11	METAL OXIDE	120	5%	3W F
R1436	1-216-475-11	METAL OXIDE	120	5%	3W F
R1437	1-249-417-11	CARBON	1K	5%	1/4W

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* A-1390-491-A ZB BOARD, COMPLETE
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		<CONNECTOR>			
CN1471	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P			
CN1472	* 1-564-507-11	PLUG, CONNECTOR 4P			
CN1473	* 1-564-506-11	PLUG, CONNECTOR 3P			
		<RESISTOR>			
R1461	1-249-414-11	CARBON	560	5%	1/4W
R1462	1-249-414-11	CARBON	560	5%	1/4W
R1465	1-216-475-11	METAL OXIDE	120	5%	3W F
R1466	1-216-475-11	METAL OXIDE	120	5%	3W F

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* A-1394-673-A X BOARD, COMPLETE
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		<CAPACITOR>			
C5001	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C5002	1-126-964-11	ELECT	10µF	20%	50V
C5003	1-126-933-11	ELECT	100µF	20%	16V
C5004	1-126-967-11	ELECT	47µF	20%	16V
C5005	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5006	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5007	1-126-967-11	ELECT	47µF	20%	16V
C5008	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5009	1-126-964-11	ELECT	10µF	20%	50V
C5010	1-126-933-11	ELECT	100µF	20%	16V
C5011	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C5012	1-126-967-11	ELECT	47µF	20%	16V
C5013	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5014	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
C5015	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C5016	1-164-232-11	CERAMIC CHIP	0.01µF	10%	50V
C5017	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5018	1-126-967-11	ELECT	47µF	20%	16V
C5019	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5020	1-163-037-11	CERAMIC CHIP	0.022µF	10%	25V
C5021	1-126-964-11	ELECT	10µF	20%	50V
C5022	1-126-933-11	ELECT	100µF	20%	16V
C5023	1-124-903-11	ELECT	1µF	20%	50V
C5024	1-126-964-11	ELECT	10µF	20%	50V
C5025	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5027	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5028	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5029	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5031	1-126-967-11	ELECT	47µF	20%	16V
C5032	1-126-964-11	ELECT	10µF	20%	50V
C5033	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5034	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5035	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5036	1-126-967-11	ELECT	47µF	20%	16V
C5037	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C5038	1-164-005-11	CERAMIC CHIP	0.47µF		25V
C5039	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5040	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5041	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5042	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5045	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5046	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5047	1-124-925-11	ELECT	2.2µF	20%	50V
C5048	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5049	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5051	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5052	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C5053	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5054	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5055	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5056	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5057	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C5058	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5059	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C5060	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5061	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
C5062	1-124-925-11	ELECT	2.2µF	20%	50V
C5063	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C5064	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C5065	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C5066	1-163-037-11	CERAMIC CHIP	0.022µF	10%	25V
C5067	1-124-903-11	ELECT	1µF	20%	50V
C5068	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5069	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5070	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5071	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5072	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5073	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5074	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5075	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5076	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5077	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5078	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5079	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5081	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5083	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5084	1-126-933-11	ELECT	100µF	20%	16V
C5085	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5087	1-126-967-11	ELECT	47µF	20%	16V
C5089	1-126-967-11	ELECT	47µF	20%	16V
C5090	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5091	1-164-005-11	CERAMIC CHIP	0.47µF		25V
C5093	1-126-967-11	ELECT	47µF	20%	16V
C5099	1-126-964-11	ELECT	10µF	20%	50V
C5100	1-126-967-11	ELECT	47µF	20%	16V
C5101	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5102	1-126-967-11	ELECT	47µF	20%	16V
C5104	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5105	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5106	1-126-964-11	ELECT	10µF	20%	50V
C5107	1-126-964-11	ELECT	10µF	20%	50V
C5108	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5115	1-126-933-11	ELECT	100µF	20%	16V

X

REF. NO.	PART NO.	DESCRIPTION			REMARK
C5116	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C5118	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C5119	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5120	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5121	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5122	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C5125	1-124-927-11	ELECT	4.7µF	20%	50V
C5135	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5136	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5140	1-126-933-11	ELECT	100µF	20%	16V
C5141	1-126-964-11	ELECT	10µF	20%	50V
C5143	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C5144	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C5145	1-126-964-11	ELECT	10µF	20%	50V
C5146	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C5147	1-126-967-11	ELECT	47µF	20%	16V
C5170	1-126-964-11	ELECT	10µF	20%	50V
C6202	1-124-903-11	ELECT	1µF	20%	50V
C6204	1-126-964-11	ELECT	10µF	20%	50V
C6205	1-124-903-11	ELECT	1µF	20%	50V
C6206	1-126-964-11	ELECT	10µF	20%	50V
C6207	1-124-903-11	ELECT	1µF	20%	50V
C6209	1-124-903-11	ELECT	1µF	20%	50V
C6210	1-124-903-11	ELECT	1µF	20%	50V
C6211	1-126-964-11	ELECT	10µF	20%	50V
C6212	1-124-903-11	ELECT	1µF	20%	50V
C6214	1-163-035-00	CERAMIC CHIP	0.047µF		50V
C6215	1-124-903-11	ELECT	1µF	20%	50V
C6216	1-124-903-11	ELECT	1µF	20%	50V
C6218	1-163-035-00	CERAMIC CHIP	0.047µF		50V
C6219	1-124-903-11	ELECT	1µF	20%	50V
C6220	1-163-035-00	CERAMIC CHIP	0.047µF		50V
C6221	1-124-903-11	ELECT	1µF	20%	50V
C6222	1-124-903-11	ELECT	1µF	20%	50V
C6223	1-163-035-00	CERAMIC CHIP	0.047µF		50V
C6224	1-124-903-11	ELECT	1µF	20%	50V
C6225	1-124-903-11	ELECT	1µF	20%	50V
C6226	1-124-903-11	ELECT	1µF	20%	50V
C6227	1-124-903-11	ELECT	1µF	20%	50V
C6228	1-124-903-11	ELECT	1µF	20%	50V
C6229	1-124-903-11	ELECT	1µF	20%	50V
C6230	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6231	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6232	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6234	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C6235	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C6236	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C6237	1-124-903-11	ELECT	1µF	20%	50V
C6238	1-124-903-11	ELECT	1µF	20%	50V
C6239	1-124-903-11	ELECT	1µF	20%	50V
C6242	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6243	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6244	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6248	1-124-903-11	ELECT	1µF	20%	50V
C6249	1-163-135-00	CERAMIC CHIP	560PF	5%	50V
C6250	1-126-964-11	ELECT	10µF	20%	50V
C6251	1-126-967-11	ELECT	47µF	20%	16V
C6252	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C6253	1-137-399-11	FILM	0.1µF	5%	50V
C6256	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C6257	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C6258	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C6259	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C6261	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C6263	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C6264	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C6265	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6270	1-164-344-11	CERAMIC CHIP	0.068µF	10%	25V
C6271	1-164-699-11	CERAMIC CHIP	0.0033µF	5%	50V
C6274	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C6275	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C6352	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V

<CONNECTOR>

CN5001	*1-564-509-11	PLUG, CONNECTOR 6P	
CN5002	*1-774-190-11	CONNECTOR, BOARD TO BOARD	
CN5004	*1-564-507-11	PLUG, CONNECTOR 4P	

<DIODE>

D5001	8-719-106-08	DIODE RD6.2M-B2
D5002	8-719-106-08	DIODE RD6.2M-B2
D5004	8-719-404-46	DIODE MA110
D5005	8-719-404-46	DIODE MA110
D5009	8-719-404-46	DIODE MA110
D5010	8-719-404-46	DIODE MA110
D5011	8-719-404-46	DIODE MA110
D5012	8-719-404-46	DIODE MA110
D5013	8-719-404-46	DIODE MA110
D5208	8-719-159-85	DIODE RD2.0MB
D6263	8-719-404-46	DIODE MA110

<FERRITE BEAD>

FB5001	1-412-911-11	INDUCTOR, FERRITE BEAD

<FILTER>

FL5001	1-236-129-11	ENCAPSULATED COMPONENT
FL5002	1-236-164-11	ENCAPSULATED COMPONENT
FL5003	1-236-129-11	ENCAPSULATED COMPONENT
FL5004	1-236-164-11	ENCAPSULATED COMPONENT

<IC>

IC5001	8-759-366-24	IC TDA8315T/N3A-T
IC5002	8-759-231-55	IC TA7808S
IC5003	8-759-231-53	IC TA7805S
IC5004	8-759-067-24	IC 24C04AI/P
IC5005	8-759-231-53	IC TA7805S
IC5006	8-759-335-82	IC M5M442256AJ-8-T2
IC5007	8-759-335-82	IC M5M442256AJ-8-T2
IC5008	8-759-366-24	IC TDA8315T/N3A-T
IC5010	8-759-297-81	IC MM1166XFB
IC5011	8-759-011-65	IC MC74HC4053F
IC5012	8-752-058-68	IC CXA1315M
IC5014	8-759-357-39	IC SAB9075H/N2A
IC5015	8-759-335-17	IC NJM2256M-TE2
IC5016	8-759-011-65	IC MC74HC4053F
IC6201	8-752-064-71	IC CXA1732M
IC6202	8-752-058-68	IC CXA1315M
IC6203	8-759-925-85	IC SN74HC32ANS
IC6204	8-759-256-59	IC HD74HC00FPEL
IC6205	8-759-011-65	IC MC74HC4053F
IC6206	8-752-053-21	IC CXA1211M
IC6207	8-759-011-65	IC MC74HC4053F
IC6208	8-752-053-21	IC CXA1211M
IC6209	8-759-328-12	IC Z8622812PSC
IC6211	8-759-008-67	IC MC14066BF

<COIL>

L5001	1-414-234-11	INDUCTOR, FERRITE BEAD
L5002	1-414-234-11	INDUCTOR, FERRITE BEAD
L5004	1-414-234-11	INDUCTOR, FERRITE BEAD
L5005	1-414-234-11	INDUCTOR, FERRITE BEAD
L5006	1-414-234-11	INDUCTOR, FERRITE BEAD

X

REF. NO.	PART NO.	DESCRIPTION	REMARK
L5007	1-410-470-11	INDUCTOR 10µH	
L5008	1-410-470-11	INDUCTOR 10µH	
L5009	1-414-234-11	INDUCTOR, FERRITE BEAD	
L5010	1-414-234-11	INDUCTOR, FERRITE BEAD	
L5011	1-414-234-11	INDUCTOR, FERRITE BEAD	
L5012	1-414-234-11	INDUCTOR, FERRITE BEAD	
L5013	1-410-478-11	INDUCTOR 47µH	
L5014	1-410-478-11	INDUCTOR 47µH	
L5016	1-414-234-11	INDUCTOR, FERRITE BEAD	
L5017	1-414-234-11	INDUCTOR, FERRITE BEAD	
L6201	1-410-470-11	INDUCTOR 10µH	
L6202	1-410-470-11	INDUCTOR 10µH	
		<TRANSISTOR>	
Q5001	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5007	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5008	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5010	8-729-216-22	TRANSISTOR 2SA1162-G	
Q5011	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5012	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5013	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5014	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5015	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5016	8-729-216-22	TRANSISTOR 2SA1162-G	
Q5017	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5018	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5020	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5021	8-729-216-22	TRANSISTOR 2SA1162-G	
Q5022	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5025	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5026	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5027	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5028	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5029	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5030	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5031	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5032	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5033	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5034	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5036	8-729-216-22	TRANSISTOR 2SA1162-G	
Q5038	8-729-216-22	TRANSISTOR 2SA1162-G	
Q5039	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5040	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5041	8-729-216-22	TRANSISTOR 2SA1162-G	
Q5042	8-729-216-22	TRANSISTOR 2SA1162-G	
Q5051	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5053	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5060	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q5061	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6201	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6202	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6203	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6204	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6205	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6206	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6207	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6208	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6209	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6210	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6211	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6212	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6213	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6214	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6215	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6216	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6217	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6218	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6220	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6221	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6222	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6225	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6226	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6227	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6228	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6229	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6230	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6231	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6232	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6233	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6234	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6235	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6236	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6237	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6238	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6239	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6240	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6241	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6242	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6243	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6244	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6245	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6246	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6247	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6248	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6249	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6250	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6251	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6252	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6253	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6254	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6255	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6256	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6257	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6258	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6259	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6260	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6261	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6262	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6263	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6264	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6265	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6266	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6267	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6351	8-729-216-22	TRANSISTOR 2SA1162-G	
		<RESISTOR>	
R5001	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R5002	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R5004	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R5005	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R5010	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R5011	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
R5015	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R5017	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R5022	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R5024	1-216-295-91	CONDUCTOR, CHIP	
R5027	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R5028	1-216-117-00	METAL GLAZE 680K 5% 1/10W	
R5029	1-216-295-91	CONDUCTOR, CHIP	
R5031	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R5032	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R5033	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R5034	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R5035	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R5036	1-216-049-91	METAL GLAZE 1K 5% 1/10W	

X

REF. NO.	PART NO.	DESCRIPTION		REMARK
R5040	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5041	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R5042	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5045	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R5053	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R5056	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5060	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R5061	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R5062	1-216-045-00	METAL GLAZE 680	5%	1/10W
R5063	1-216-295-91	CONDUCTOR, CHIP		
R5064	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5065	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5067	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5068	1-216-295-91	CONDUCTOR, CHIP		
R5069	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5070	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5071	1-216-097-91	METAL GLAZE 100K	5%	1/10W
R5072	1-216-043-91	METAL GLAZE 560	5%	1/10W
R5073	1-216-295-91	CONDUCTOR, CHIP		
R5074	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R5075	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W
R5077	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5080	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5081	1-216-075-00	METAL GLAZE 12K	5%	1/10W
R5082	1-216-069-00	METAL GLAZE 6.8K	5%	1/10W
R5083	1-216-295-91	CONDUCTOR, CHIP		
R5085	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5086	1-216-295-91	CONDUCTOR, CHIP		
R5087	1-216-037-00	METAL GLAZE 330	5%	1/10W
R5088	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R5090	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W
R5091	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5092	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5096	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R5097	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5098	1-216-295-91	CONDUCTOR, CHIP		
R5101	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R5104	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5106	1-216-688-11	METAL CHIP 36K	0.50%	1/10W
R5107	1-216-295-91	CONDUCTOR, CHIP		
R5109	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R5110	1-216-295-91	CONDUCTOR, CHIP		
R5111	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R5112	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5113	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R5115	1-216-117-00	METAL GLAZE 680K	5%	1/10W
R5116	1-216-295-91	CONDUCTOR, CHIP		
R5117	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R5118	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R5119	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R5120	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R5121	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R5123	1-216-295-91	CONDUCTOR, CHIP		
R5128	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5129	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5130	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5131	1-216-063-91	METAL GLAZE 3.9K	5%	1/10W
R5135	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5138	1-216-295-91	CONDUCTOR, CHIP		
R5140	1-216-041-00	METAL GLAZE 470	5%	1/10W
R5141	1-216-041-00	METAL GLAZE 470	5%	1/10W
R5142	1-216-295-91	CONDUCTOR, CHIP		
R5143	1-216-295-91	CONDUCTOR, CHIP		
R5144	1-216-045-00	METAL GLAZE 680	5%	1/10W
R5145	1-216-045-00	METAL GLAZE 680	5%	1/10W
R5147	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R5151	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R5152	1-216-077-00	METAL GLAZE 15K	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION		REMARK
R5156	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5157	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5160	1-216-041-00	METAL GLAZE 470	5%	1/10W
R5161	1-216-295-91	CONDUCTOR, CHIP		
R5162	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5163	1-216-295-91	CONDUCTOR, CHIP		
R5165	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5166	1-216-037-00	METAL GLAZE 330	5%	1/10W
R5167	1-216-037-00	METAL GLAZE 330	5%	1/10W
R5169	1-216-037-00	METAL GLAZE 330	5%	1/10W
R5170	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5171	1-216-648-11	METAL CHIP 750	0.50%	1/10W
R5172	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5173	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5174	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R5176	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5177	1-216-037-00	METAL GLAZE 330	5%	1/10W
R5178	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R5179	1-216-063-91	METAL GLAZE 3.9K	5%	1/10W
R5180	1-216-295-91	CONDUCTOR, CHIP		
R5184	1-216-295-91	CONDUCTOR, CHIP		
R5188	1-216-037-00	METAL GLAZE 330	5%	1/10W
R5189	1-216-295-91	CONDUCTOR, CHIP		
R5192	1-216-037-00	METAL GLAZE 330	5%	1/10W
R5193	1-216-295-91	CONDUCTOR, CHIP		
R5195	1-216-097-91	METAL GLAZE 100K	5%	1/10W
R5196	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R5197	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R5198	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R5199	1-216-648-11	METAL CHIP 750	0.50%	1/10W
R5200	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5202	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R5203	1-216-047-91	METAL GLAZE 820	5%	1/10W
R5204	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5205	1-216-041-00	METAL GLAZE 470	5%	1/10W
R5207	1-216-043-91	METAL GLAZE 560	5%	1/10W
R5210	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5211	1-216-045-00	METAL GLAZE 680	5%	1/10W
R5212	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5213	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R5214	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R5215	1-216-045-00	METAL GLAZE 680	5%	1/10W
R5216	1-216-037-00	METAL GLAZE 330	5%	1/10W
R5217	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5218	1-216-069-00	METAL GLAZE 6.8K	5%	1/10W
R5219	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5220	1-216-069-00	METAL GLAZE 6.8K	5%	1/10W
R5221	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5222	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5223	1-216-069-00	METAL GLAZE 6.8K	5%	1/10W
R5224	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5225	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R5226	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R5227	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R5228	1-216-041-00	METAL GLAZE 470	5%	1/10W
R5229	1-216-041-00	METAL GLAZE 470	5%	1/10W
R5230	1-216-041-00	METAL GLAZE 470	5%	1/10W
R5231	1-216-043-91	METAL GLAZE 560	5%	1/10W
R5232	1-216-041-00	METAL GLAZE 470	5%	1/10W
R5233	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5237	1-216-025-91	METAL GLAZE 100	5%	1/10W
R5239	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5240	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R5254	1-216-295-91	CONDUCTOR, CHIP		
R5255	1-216-295-91	CONDUCTOR, CHIP		
R5256	1-216-295-91	CONDUCTOR, CHIP		
R5258	1-216-295-91	CONDUCTOR, CHIP		
R5259	1-216-295-91	CONDUCTOR, CHIP		

REF. NO.	PART NO.	DESCRIPTION		REMARK
R5260	1-216-295-91	CONDUCTOR, CHIP		
R5261	1-216-295-91	CONDUCTOR, CHIP		
R5262	1-216-295-91	CONDUCTOR, CHIP		
R5263	1-216-295-91	CONDUCTOR, CHIP		
R5264	1-216-295-91	CONDUCTOR, CHIP		
R5265	1-216-295-91	CONDUCTOR, CHIP		
R5266	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R5267	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R5268	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R5274	1-216-033-00	METAL GLAZE 220	5%	1/10W
R5276	1-216-047-91	METAL GLAZE 820	5%	1/10W
R5277	1-216-037-00	METAL GLAZE 330	5%	1/10W
R5278	1-216-295-91	CONDUCTOR, CHIP		
R5279	1-216-295-91	CONDUCTOR, CHIP		
R5280	1-216-295-91	CONDUCTOR, CHIP		
R5281	1-216-295-91	CONDUCTOR, CHIP		
R6202	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W
R6203	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W
R6204	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6205	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6206	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R6207	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R6208	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6209	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W
R6210	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6211	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W
R6212	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W
R6213	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6214	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6215	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6216	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6217	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R6218	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W
R6219	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W
R6220	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6221	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6222	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6223	1-216-041-00	METAL GLAZE 470	5%	1/10W
R6224	1-216-041-00	METAL GLAZE 470	5%	1/10W
R6225	1-216-047-91	METAL GLAZE 820	5%	1/10W
R6226	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6227	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R6228	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6229	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6230	1-216-045-00	METAL GLAZE 680	5%	1/10W
R6231	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6232	1-216-061-00	METAL GLAZE 3.3K	5%	1/10W
R6233	1-216-083-00	METAL GLAZE 27K	5%	1/10W
R6234	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6235	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6236	1-216-041-00	METAL GLAZE 470	5%	1/10W
R6237	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6238	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6239	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6240	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R6241	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6242	1-216-069-00	METAL GLAZE 6.8K	5%	1/10W
R6244	1-216-097-91	METAL GLAZE 100K	5%	1/10W
R6245	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6246	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6247	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6248	1-216-041-00	METAL GLAZE 470	5%	1/10W
R6249	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R6250	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R6252	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6253	1-216-061-00	METAL GLAZE 3.3K	5%	1/10W
R6255	1-216-045-00	METAL GLAZE 680	5%	1/10W
R6256	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6257	1-216-025-91	METAL GLAZE 100	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION		REMARK
R6258	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6259	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6260	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R6261	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6262	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6264	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6265	1-216-295-91	CONDUCTOR, CHIP		
R6266	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6269	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6270	1-216-689-11	METAL GLAZE 39K	5%	1/10W
R6271	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6272	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6273	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6274	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6275	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6276	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6277	1-216-051-00	METAL GLAZE 1.2K	5%	1/10W
R6278	1-216-051-00	METAL GLAZE 1.2K	5%	1/10W
R6279	1-216-051-00	METAL GLAZE 1.2K	5%	1/10W
R6280	1-216-295-91	CONDUCTOR, CHIP		
R6281	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6282	1-216-295-91	CONDUCTOR, CHIP		
R6283	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6284	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6285	1-216-295-91	CONDUCTOR, CHIP		
R6286	1-216-069-00	METAL GLAZE 6.8K	5%	1/10W
R6287	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R6288	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R6289	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6291	1-216-041-00	METAL GLAZE 470	5%	1/10W
R6292	1-216-041-00	METAL GLAZE 470	5%	1/10W
R6293	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6294	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6295	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6296	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6297	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6298	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6299	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6300	1-216-033-00	METAL GLAZE 220	5%	1/10W
R6301	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6302	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6303	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6307	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6308	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6309	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6311	1-216-295-91	CONDUCTOR, CHIP		
R6312	1-216-033-00	METAL GLAZE 220	5%	1/10W
R6314	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6317	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6318	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6321	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6322	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6323	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6324	1-216-295-91	CONDUCTOR, CHIP		
R6325	1-216-033-00	METAL GLAZE 220	5%	1/10W
R6326	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6327	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6328	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6329	1-216-295-91	CONDUCTOR, CHIP		
R6330	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6333	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R6334	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R6335	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R6336	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R6337	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6338	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R6339	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6340	1-216-025-91	METAL GLAZE 100	5%	1/10W

X

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION		REMARK
R6341	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6342	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6343	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6344	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6345	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6348	1-216-295-91	CONDUCTOR, CHIP		
R6353	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6354	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6355	1-216-295-91	CONDUCTOR, CHIP		
R6356	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6357	1-216-033-00	METAL GLAZE 220	5%	1/10W
R6359	1-216-097-91	METAL GLAZE 100K	5%	1/10W
R6362	1-216-069-00	METAL GLAZE 6.8K	5%	1/10W
R6375	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6376	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6377	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6378	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6383	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6384	1-216-051-00	METAL GLAZE 1.2K	5%	1/10W
R6385	1-216-051-00	METAL GLAZE 1.2K	5%	1/10W
R6386	1-216-051-00	METAL GLAZE 1.2K	5%	1/10W
R6387	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R6391	1-216-041-00	METAL GLAZE 470	5%	1/10W
R6393	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6394	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6395	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6396	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6397	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6398	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6399	1-216-089-91	METAL GLAZE 47K	5%	1/10W
R6400	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R6401	1-216-061-00	METAL GLAZE 3.3K	5%	1/10W
R6402	1-216-061-00	METAL GLAZE 3.3K	5%	1/10W
R6403	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6404	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R6405	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6406	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6407	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R6408	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R6409	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6410	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6411	1-216-025-91	METAL GLAZE 100	5%	1/10W
R6416	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6418	1-216-069-00	METAL GLAZE 6.8K	5%	1/10W
R6419	1-216-025-91	METAL GLAZE 100	5%	1/10W

<CRYSTAL>

X5001	1-567-505-11	OSCILLATOR, CRYSTAL
X5002	1-567-505-11	OSCILLATOR, CRYSTAL

****

MISCELLANEOUS
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⚠	1-451-441-11	DEFLECTION YOKE DY YS-35159 (B,G)
⚠	1-451-441-21	DEFLECTION YOKE DY YS-35160 (B)
⚠	1-223-925-11	RESISTOR ASSY (HIGH-VOLTAGE)
	1-251-321-11	SELECTOR, ANTENNA
⚠	1-452-790-11	NECK ASSY
⚠	1-452-790-21	NECK ASSY
	1-504-141-11	SPEAKER (13CM) (KP-53XBR45)
	1-504-313-11	SPEAKER (16CM) (KP-61XBR48)
	1-504-756-11	SPEAKER (5CM) (KP-61XBR48)
	1-504-877-11	SPEAKER (8CM)
	1-504-964-11	SPEAKER (10CM)
	1-537-775-11	TERMINAL BOARD
	1-544-580-21	SPEAKER (2.5CM) (KP-53XBR45)
*	1-751-135-11	CABLE, PIN
*	1-751-136-11	CABLE, PIN
	1-765-663-11	CORD
⚠	1-769-837-11	CORD, POWER(WITH NOISE FILTER)
⚠	1-900-211-34	LEAD ASSY, HV
⚠	8-598-955-00	BLOCK ASSY, HIGH-VOLTAGE
V901	⚠	8-736-642-05 PICTURE TUBE 07MAC2(G) (LONG NECK)
V902	⚠	8-736-643-05 PICTURE TUBE 07MAC3(B) (LONG NECK)
V903	⚠	8-736-644-03 PICTURE TUBE 07MAC3(R) (LONG NECK)

****

ACCESSORIES AND PACKING MATERIALS
****

	X-4946-077-1	PANEL ASSY, FRONT
	X-4946-078-1	CABINET ASSY, SPEAKER
	1-504-877-11	SPEAKER (8CM)
	1-537-775-11	TERMINAL BOARD
	1-765-267-11	CORD, SPEAKER
	1-765-663-11	CORD
	3-701-627-00	BAG, POLYETHYLENE
	3-800-707-11	MANUAL, INSTRUCTION
*	4-030-895-01	JOINT
*	4-037-328-01	PLATE, TOP (KP-53XBR45)
*	4-040-111-01	PLATE, TOP (KP-61XBR48)
*	4-040-903-01	PLATE, BOTTOM (KP-61XBR48)
*	4-040-906-01	TRAY (KP-61XBR48)
*	4-041-426-01	BAG, PROTECTION (KP-53XBR45)
*	4-041-428-01	BAG, POLYETHYLENE (KP-61XBR48)
*	4-042-463-01	SHEET, PROTECTION
*	4-043-800-01	FORM BLOCK (KP-61XBR48)
*	4-048-894-01	CUSHION (UPPER) (ASSY) (KP-53XBR45)
*	4-048-895-01	CUSHION (LOWER) (ASSY) (KP-53XBR45)
*	4-048-900-01	INDIVIDUAL CARTON (KP-53XBR45)
*	4-048-901-01	TRAY (KP-53XBR45)
*	4-048-902-01	PLATE, BOTTOM (KP-53XBR45)

REMOTE COMMANDER
****

	1-473-306-11	REMOTE COMMANDER (RM-Y128)
	9-933-736-01	POCKET, COVER (FOR RM-Y128)

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